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BASE	Jan 6-	13	49	Paris agends	Feb	3	16	Italy: All roads lead to chemicals (chart)	Apr May 2		20
BASF seeks a route to rubber via Polysar (chart).	Jan :	27	14	Syremont receives 1988 Environment Award: A restoration gold for Syre-				Nordic chemical makers adapt to an in- national climate (table)			18
QueNord will increase sodium chlorate				mont.	May 2	25	11	Pesticides: Environmental concerns	Apr 1	13	10
Sales and earnings 1987 N	Feb	6	42	Wastes seek ways across borders: UN agreement on transboundary move-				force global changes in the market (charts & tables)	Elev		00
Sales and earnings: Good news for Can-				ment of hazardous waste is near	Feb 2	4 2	25	Pesticide markets: Consolidation is	May	4	22
adian chemical producers N U.SCanada free trade pact	June	8	17	Cellulose Acetate — Hoechst Celanese will increase production of cellulose acetate				The outlook for FIFRA	May	4	22
Antitrust laws may replace antidump-				low used in cigarette filters	Feb 1	7 2	21	EPA's priorities		4	27 28
U.SCanada trade pact raises more	Feb	3	27	Center for Clean Air Policy — Kudos for Bonn's acid rain program N				Industry issues	May	4	28 29
hackles N	Mar	2	48	Born s acid rain program N	Apr 2		58	International concerns States: Not enough morely	May	4	34
Approval of the Canadian trade pact moves nearer N	May	26	42	Ceramica Air Drock unto well by side completely for compa				Biopesticides' market potential	May	4	35
	may	20	46	Air Products will build small lab for ceram- ic coatings development. N	Mar 1	6 9	34	Biopesticides regulation: Feds take it easy on biopesticides	May	4	39
CAMA wants to establish an epidemiology				Freeze drying stirs new interest	Feb 1	7 4	12	—Latiers		1	3
research information center N	June	15	5	Japan's superconductor research wins funding N	Feti	3 1	9	Rubber: The changing shape of the rub- ber market (charts & tables)	Apr 2	20	118
Du Pont and Roche teem up on cancer	Feb			The plasma-processing torch is re-				Scaps and detergents more punch in			
treatment using interleukin-2 N EPA study suggests dickin risk may be	rec	3	19	kindled Tougher ceramic, "transformation-tough-	Mar 1	0 5	12	the package (charts) Reshaping a \$10 billion industry	Jan 2 Jan 2	10	28 28
lower 2,4-D: EPA decides against an investiga-	Jan 6	13	64	ened aluminum oxide" NP	Jan 6-1	3 5	68	Tailoring raw materials for the mar-			
tion . N	Mar :	23	40	CFC Alliance — How long a farewell to CFC production?	Apr	6	7	Phosphates tough out a shrinking	Jam 2	20	36
Caprolactam						-		market	Jan 2		44
EniChem caprolactam unit at Manfredon-				Chemical Industry Council of New Jersey				The new multi-functionality boom I&I markets gain, soap goes upscale	Jan 2 Jan 2	10 10	48
ia, Italy faces closure again N Indian plant contract to Uhde N	Mar	16	72 38	Annual meeting: New Jersey girds for the right-to-know law	May 2	5 1	10	Water treatment: Solving the second			Mark.
. Italy: EniChem unit is back in business. N	Apr :		54	Bozarth comments on takeover laws	Mar 2	3 2	29	generation of environmental prob- iems (charts & tables)	May 1	8	18
Carbon Black — Columbian Chemicals in-		0	40	Chemical Industry Council of North Carolina —Formed W	Mar	9 1	4	West Germany: The home market los- es to the U.S. (charts & tables)			
Carbon fibers see Floors	Mac	2	43	Chemical Industry Data Exchange Commit-			00	es to the U.S. (charts & tables)	June 1	5	22
Carbon Monorido				tee — Computers in the CPI — report . Chemical Industry Institute of Toxicology —	Apr	6 2	90	Chemical Week 300			
Carbon Monoxide Los Angeles's ozone and carbon mon-				Gibson comments on NCS/Duke approach	E.			The fourth quarter crowns a winning year (tables)	Mar	2	26
oxide air quality plans disapproved by EPA	-			to microbial detoxification at the source	Feb	3 3	12	An eventful but upbeat year for the CPI			20
NICK's CO recovery systems wants cus-	Jan	27	48	Chemical Manufacturers Asan.				(tables) CPI sales and earnings are off to a fast	Apr 2	7	36
TOTTINES N	Feb	10	20	California's Proposition 65: The industry				start (first-quarter 1988) (tables)	June	1	46
Urban air pollution: carbon monoxide standards decrease	May	11	40	and lawyers get set for Proposition 65° CMA offers ways to polish the industry's	Feb 1	U	6	Child-care programs — Kids get a vote of			29
Carey, Hugh L., executive v-p of W.R. Grace:			-	image . N	June 1	5	5		June 1	3	28
Governor Carey is back in the chemical business	Apr	13	31	Chemicals want 'in' on OECD's Paris agen-	Feb	3 1	16	Chile			
Carnegie Melion University — 1988 grads:				EPA's right-to-know net widens	Feb 1		6	Oxiquim's Gerardo Kunstmann: APLA calls Oxiquim's Kunstmann		6	52
The welcome mat is out (table) Carrageenans — Carrageenans move from	May	25	6	HCS: Industry tries to decipher hazard	Mar 2		14		Mar 2	3	36
the sea to the paper mill N	June :	22	31	New trucking rules emphasize safety	Feb 1	0 2	24	China			
Case Western Reserve University—Polymer research centers: Can U.S. polymer re-				A push for trademark reform Survey shows a drop in waste general-	May 1	8	9		Feb 1		21
Search keep up? (table)	Jan S		52	aid N	June 1		12	EniChem conducts feasibility study for			16
Catalyst Manufacturers Agen - Catalysts	June	1	59	Title III: Industry prepares for Title III Title III compliance: CPI managers hustle	Mar	2 4	10	petrochemical complex N ,	une 1		31 59
'86 report	June :	29	20	to meet the deadline	June 2	2 2	12		May 2		27

EC imposes antidumping duty on Chin-				Gasification see Casification				ITS Technologies' software for the Ti-		9	
ese exports of potassium perman- ganate	Feb	17	59	Pulse combustion turns to coal-fired boil- ers.	Apr	13	39	tle III compliance	Mar	2	17 25
Fatty alcohol plant to be built W	Mar	23	15					A suite of software to aid plant engin-			
Forecast 1988 (charts & tables) Part II: Outside the U.S., strong domestic				Coefings Air Products will build small lab for ceram-				eers: C-E's package called Pasce . Systems Reliability International's soft-	Mar	2	34
demand provides moderate growth .	Jan	27	20	ic coatings development N	Mar	16	94	ware for risk analysis N	Mar	9	17
German group brings its show, Achem-				Automobiles: Du Pont-ICI venture in auto				Title III compliance: A data base to help			
asia, to China N Japan's Chiyoda to build butene-1	Feb	10	14	coatings Edible coating made with carrageenan ex-	Mar	16	24	communities prepare — CAMEO .	June	22 20	24 35
plant	Mar	2	33	tends storage life of frozen precooked				Supercomputers begin to win the CPI over Water-treatment systems get smart: Al-	Mar	20	30
Lummus will build ethylene plant and				meat, poultry and fish NP	Mar	30	33	based expert systems. Conference Board—"R&D/Teuhnology, 1988.	Jun 6-	13	54
LLDPE unit. W Petrochemical projects are slated N	Mar		24	Epoxy surface coatings: moderate growth N	Apr	27	35	Conference Board—"R&D/Teuhnology, 1968:			
Sweden's Nobel will deliver TDI plants	Feb	10	5	Forecast 1988 (charts & tables) Part I: In	Mpi	21	30	Key Issues for Management" conference: In relentless pursuit of acquired technology	Mar	9	13
to ChinaN	June	1	25	the U.S., bright prospects overshadow				Conservation Foundation - Water treatment			
Chitin — Ingene's biological nematicide	Mar	200	00	impertainties	Jan (3-13	34	report (charts & tables)	May	18	18
ClandoSan okayed for market by EPA.N	Mar	30	22	Glidden's Rustmaster Pro corrosion-resis- tant paint: Glidden's antirust secret is				0			
Chlor-Alkali				DM.	June	15	10	Construction Adhesives and sealants: Stronger than ey-			
Capacity use: Up and coming (chart)	June	15	9	Grace prices for Daran high-barrier coat-				ver — report (charts)	Mar	16	28
Chlor-alkali shifts to a seller's market (chart)	Feb	04	18	Outdoor grilling made easier: Violan, glass-	Feb	3	27	Cashing in on a strong construction mar-			
Dow starts up a membrane-cell plant at	reu	24	10	ceramic cooking surface material NP	May	4	44	Costain and Comprimo team up to win con-	Mar	16	60
Freeport, TexN	Apr	6	49	PPG will supply coatings to Toyota in Ken-				tract bide	Feb	10	20
Egyptian plantN	May	25	27	tucky. N SDI spinoffs: Sullivan process, coating	June	1	5	A suite of software to aid plant engineers:			
European prices for caustic are soaring Price-fixing sult: six chlor-alkali produc-	Apr	27	17	technology; diamond-crystal coating				C-E's package called Pasce	Mar	2	34
ers settle (chart)	Feb	17	8	technology	June	8	9	Contact Lenses			
Chlor-Alkali see also Caustic Soda;				Solvent-free coatings: NEPCON West — The lastest in boards, coatings	Mar	2	12	Ciba-Geigy acquires Cooper Companies'			
Chlorine				VOC emission violators face harsh penal-	PANGE	6	12	lens-care product businessesN	Feb	3	5
Chlorine				field	May	25	17	Contact lenses to throw away		23	12 35
AECI plans expansion in chlorine ca-				Whittaker acquires Synthetic Protective Coatings W	Many	**	14	Saline-containing aerosols for contact lens Schering-Plough buys Cooper's U.S. con-	May	**	30
pacity N	Mar	9	38	Codes & Coding — SPI codes plastics for re-	May	**	14	tact-lens-solution business N	Apr	6	5
Chlor-alkali price-fixing suit: six chlor- alkali producers settle (chart)	Feb	17	8	cycling (diagram)	Apr	20	14	O-state			
Chlor-alkali shifts to a seller's market				Colombia - Surfactants joint venture N	May	4	17	Containers Owens-Illinois-Brockway merger delayed			
(chart)	Feb	24	18	Columbia University — Center for Telecom- munications Research passes NSF's re-				by some antitrust concernsN	Mar	2	5
Dow Chemical — chlorine and bromine chemistry lead to the Gulf Coast: ex-				View	Apr	13	15	Glassmakers merge — Legaliy	Mair	9	11
cerpt from Chapter 2 of Petrochemi-				Combustion — Pulse combustion turns to		40	00	Plastics move into the warehouse	May	4	46
cals: The Rise of an Industry by Pet-		00	74	coal-fired boilers Communications — Telemarketing rings up	Apr	13	39	F.C.F. Sale Basines			
er H. Spitz. World chlorine demand: growth is pre-	Jan	20	74	more chemical sales	June	8	32	Contraceptives			
dicted N	May	25	31					Dalkon Shield claimants reject Robins' ac-	l 0		
Chlorine see also Chlor-Alkali				Composites Auto makers join in composites: Ford, GM				ceptance of Sanofi bid Robins shareholders endorse a take-	Jan 6-	13	9
~				and Chrysler team up	June	1	12	over proposal from AHP N	Jan :	20	5
Chlorofluorocarbons Alternatives: companies join in effort to				Low-volume, low-investment cars:				AHP outbids its rivals for Robins	Jan :	27	7
accelerate toxicity testing of alterna-				Ford's LIV project Avco wins NASA contract for high-temp-	June	1	12	Robins deposit of \$100 million into a trust would free company to sign			
tives to CFCs	Jan (5-13	20	erature composite fibers W	Mar	9	14	merger agreement with American			
Alternative for CFC 113: Petroferm, Bloact EC7, a nontoxic ozone protector	Jan	20	8	Battelle tests polymer composites in the				Home Products	Mar :	23	5
Du Pont's CFC substitute, Formacel-S, ap-	Jen	20		Sky	Apr	27	16	Dalkon claiments urged to reject A.H. Robins Chapter 11 plan N	May	11	5
proved W	Jan 6	313	20	Better tests for materials' quality: NDE techniques being developed	Feb	10	34	Contracts — Contract models for university-	renay	6.5	~
Ozone controversy				BP Chemicals negotiating for acquisition				industry research	Mar :	23	16
Congress delays decision on ozone un- til Aug N	Jan 6	5-13	64	of Melco	Feb	24	27	Coolles			
L.A.'s ozone and carbon monoxide air				Carbon fibers: Key players vie for a base in U.S. carbon fibers (charts)	Apr	20	6	Cooling SUNY cooler, thin-film process makes su-			
quality plans disapproved by EPA. N Montreal Protocol: EC pushes for chloro-	Jan	27	48	Composite sail on and upward (table)	Feb	10	11	per conductors that may be used in			
MOHITEM FTUILIOUS, EC pushes for CHOID	Feb.	24	27	Film-glass composites production planned	Mar	20	22	computers	Apr 2		15
fluorocarbons control N				by Sumitomo and Nippon Sheet Glass N Japan has new composite entry, Mitaui's	Mar	30	22	Treating wastewater via 'stage cooling'N Water-treatment systems get smart	June Jan 6-1	8	28 54
fluorocarbons control N Du Pont urged to "abide" by a promise			18	MCX-A N	Feb	17	23	trains simulations by marine got assure			
Du Pont urged to "abide" by a promise to halt CFC production by Senators	Mar	16				16	92	Copolymers			
Du Pont urged to "abide" by a promise to halt CFC production by Senators. Montreal Protocol ratified by Senate. N	Mar	23		The plasma-processing torch is rekindled	Mar						
Du Pont urged to "abide" by a promise to halt CFC production by Senators	Mar	23 30	29	Resin transfer molding: Big potential for		16	20	ATC will build a PP and nylon compound-	Eeh	2	27
Du Pont urged to "abide" by a promise to halt CFC production by Senators Montreal Protocol ratified by Senate N Progress in moves to ban CFC use N Du Pont will phase out chlorofluoro-carbons.	Mar Mar	23 30 30		Resin transfer molding: Big potential for RTM in space. Shell Chemie takes a majority sharehold-		16	20	ing plant N Butadiene styrene copolymer: Phillips ex-	Feb	3	27
Du Pont urged to "tabide" by a promise to halt CFC production by Senators Montreal Protocol ratified by Senate. N Purgress in moves to ben CFC use. N Du Pont will phase out chlorofluoro-carbonia. How long a farewell to CFC production?	Mar Mar Mar Apr	23 30 30 6	29 32 7	Resin transfer moiding: Big potential for RTM in space Shell Chemie takes a majority sharehold- ing in French composities producer Co-	Mar			ing plant N Butadiene styrene copolymer: Phillips ex- pands its K-Resin capacity N	Feb Jan 2		27 59
Du Pont urged to "abide" by a promise to half CPC production by Senators Montreal Protocol ratified by Senate N. Progress in moves to ban CPC use. N. Du Pont will phase out chlorofluoro-carbons. How long a farewell to CPC production? Montreal Protocol signed by ReaganN Dow will drop fully halogenated chloro-	Mar Mar Apr Apr	23 30 30 6 13	29 32 7 50	Resin transfer molding: Big potential for RTM in space Shell Chemie takes a majority sharehold- ing in French composities producer Co- firm			20	ing plant N Butadiene styrene copolymer: Phillips ex- pands its K-Resin capacity N EVOH: Atochem made distributor for Nip-			
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Du Pont urged to "abide" by a promise to half CPC production by Senators Montreal Protocol ratified by Senate N. Progress in moves to ban CPC use. N. Du Pont will phase out chlorofluoro-carbonia. How long a farewell to CPC production? Montreal Protocol signed by ReaganN Dow will drop fully halogenated chloro-fluorocarbons. West Germany beats aerosol propellant.	Mar Mar Apr Apr May	23 30 30 6 13 25	29 32 7 50 16	Reein transfer molding: Big potential for FITM in space. Shell Chemie takes a majority sharehold- ing in French composities producer Co- firm. Still apinoffs: carbon-fiber coaling techno- logy Sullivan process; graphite magne- sium composite.	Mar	22		ing plant Butaclene styrene copolymer: Phillips ex- pands its K-Resin capacity N EVOH: Atochem rinade distributor for Nip- pon EVOH copolymers for Continental Europe Hoscrist Celanese debottenecks its acet-	Jan 2	20	59 15
Du Pont urged to "abide" by a promise to half CPC production by Senators. Montreal Protocol ratified by Senator N. Progress in moves to ban CPC use. N. Du. Pont will phase out chlorofluoro-auribaeii. N. How long a farewell to CPC production? Montreal Protocol signed by ReaganN Dow will drop fully halogenated chloro-fluorocarbons. N. West Germany beats aerosol propellant deadlines. Chloropyridine — Olin debottlenecks chloro-	Mar Mar Apr Apr May May	23 30 30 6 13 25	29 32 7 50 16	Resin transfer molding: Big potential for FITM in space. Shell Chemie takes a majority sharehold- ing in French composities producer Co- firm. SDI apinoffs: carbon-fiber coalling techno- logy Sullivan process; graphite magne- sium composite. Societé Francaise Exxon Chemical ac-	Mar	22	16	ing plant Butadiene styrene copolymer: Phillips expands its K-Resin capacity who will be a but of the plant in the plant	June 2	20	59 15 36
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Du Pont urged to "abide" by a promise to half CPC production by Senators. Montreal Protocol ratified by Senate N. Progress in moves to ban CPC use. N. Dru Pont will phase out chlorofluore-carbonia. N. How long a farewell to CPC production? Montreal Protocol signed by ReaganN. Dow will drop fully halogenated chlorofluore-fluorocarbone. N. West Germany beats aerosol propellant deadline. — Olin debottlenecks chlorofluore. — Olin debottlenecks chlorogyridine. — Olin debottlenecks chlorogyridinecks. — Olin debottlenecks. — Olin	Mar Mar Apr Apr Apr June Feb Jan 6 Mar June June June June June June June June	23 30 30 66 13 25 4 27 1 1 66 15 17 3 3 3 18 20 4 20 4 20 24 2	29 32 7 50 16 14 43 42 49 17 21 18 58 5 8 44 28 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 8 8 8 8	Reein transfer molding: Big potential for RTM in space Shell Chemie takes a majority shareholding in French composities producer Co-firm SDI apinoritis: carbon-fiber coating technology Sulfivan process; graphite magnesisum compositie Société Francaise Exxon Chemical acquires fiber-reinforced plastics business from Agromari Nonesser fiber-reinforced plastics business fiber-reinforced plastics compounding plant from Premium Plastics Nonechet Collances states plainforced in Nonechet Collances	June June Apr Feb June Mar Apr Feb Mar Apr May Mar June Feb Mar Apr Feb	22 8 6 3 3 29 2 15 6 24 9 27 27 25 16 13 24 9 22 22 24 22 25 26 26 26 27 27 27 27 27 27 27 27 27 27 27 27 27	16 9 5 27 5 13 36 17 20 16 20 3 10 3 14	ing plant. Budaliene styrene copolymer: Philips expands its K-Reein capacity. EVOH: Abochem made distributor for Nippon EVOH copolymers for Continental Europe. Heechal Celanese debottlenecks its acetal acapacity. Heechal Celanese debottlenecks its acetal acapacity. The: Dow and Euron form joint venture. Copper Freeport-McMcPlan pursues copper expansion. Soaring metal prices are salts makers heedache (chart) Corrollon Amax's new unit targets specialties: Clinical Pertamance Materials. Glidder's Hastmassier Phie corrosion-sessitarit paint: Glidder's artinust secret is out. Cametic. Fornibin-based products: An industrial lube doubles in sin care (table). Forecast 1988 (charts & tables) Part I: In the U.S. bright prospects overshadow arcost lartinis. Costs Maintenance management systems: New technology pulls the pieces together (charts). — Letter Polision control costs The congrider costs of Clean Air competitude: Uncel Sam picks up the tab (charts). — Letter Texas Eastern will pay big for PCB cleanup. Water treatment: Solving the second	June 2 June 2 June 1 June 1 June 1 June 1 June 2 June 3 June 4 Ju	20 29 11 129 10 13 13 13 13 13 13 13 13 13 15 15 15 15 16 17 17 17 17 17 17 17 17 17 17 17 17 17	59 15 36 5 33 24 27 10 33 34 20 3 8 22 3

Cauncil of Industrial Boiler Owners — Lobby				Vescular biology collaborative research	June	20	66	German drug makers riled by proposed welfare cuts.	Jan	20	15
ing to get EPA to change emission control standards for new industrial boilers N	June	1	70	by British Bio-technology and Pfizer. N Diamonds, industrial — Shows Denko KK:				Grow sells its drug maker, Perrigo, in lev-	-		
Council on Plastic Packaging and Environ- ment — The push to put plastics recy-				Diamonds for curved shapes N 2,4-Dichlorophenoxyacetic Acid — EPA de-	Feb	17	23	eraged buyout. Heart drug: Marion Laboratories joins	May	11	13
cling in high gear	Mar	9	26	cides against a 2,4-D investigation N	Mar	23	40	forces with Saulbb to develop new	Man	40	04
The lengthening reach of legislation . Coupling Agents—Falmouth Associates will	Mar	9	29	Diesel Fuel—Motor fuels from microalgae: Microbial Products working on DOE's				heart drug. N Howchist Celanese building acetamino-	Mar	16	-
study the market for coupling agents N	June	1	61	SERI project Diethylehe Glycol — Prices N	Apr Mar	13	45 91	phen plant W Mar 16-24, W Hoffmann-La Roche bids \$4 billion for	May	11	14
Crystels				Dimethyl-ethanolamina — Prices N	Jan (13	26	Sterling Drug	Jan 6	5-13	5
Amoco completes acquisition of Dartoo's liquid-crystal polymer operationN	Apr	6	5	Dimethyl Ether — Akzo buys back dimethyl ether products group; reinvests in produc				Roche's Sterling bid: A sign of the times	Jan	20	10
Liquid crystal joint venture Rodic formed				tionN	Mar	23	36	Hoffmann-La Roche ups its Sterling	lon	97	
by Hoffman-La Roche and Deinippon. N Cyanide see Hydrogen Cyanide	Apr	6	5	Diesin				bid — twice. N Kodak finds a good fit with Sterling	Jan	27	5
,				Diaxin is found to be present in mothers' mills	Jan	20	90	Drug Ibuprofen: a purer formNP	Feb Feb	3	35
				EPA study suggests dioxin risk may be			-	Illegal drugs: Lilly and Dow won't fight, for	1 00		00
				U.S. paper industry studies a dioxin	Jan 6	F13	64	safety's sake—refuse to supply herbi- cides for U.S. antidrug campaign			
D				threat	Mar	16	91	in Peru	June	22	6
				EPA joins the paper industry for a diox- in study	May	18	78	Immunology Ventures, joint venture of Im- munex and Kodak, expands drug dis-			
Date Commissionless								covery research N ICI increasing pharmaceutical stake in	May	25	16
The Enterprise show links computer sys-				Disposables Contact lenses to throw away	Mar	23	12	Italy: plant for production of Diprivan	Adme	9	20
Nems (diagram) West German researchers join a data	June	22	28	G-P sells disposable diaper manufacturing plants that make up its Convenience				anesthetic N ICI plans plant to produce Zoladex, a dis-	Mar	8	38
baseN	Mar	30	22	Products Div. to Pope & Talbot W	June	a	16	solvable implant treatment for pros-	Apr	27	29
Data Storage — Altered polymer rotates light: might be used as an information stor-				Packagers will phase out CFC use in all disposable foam plastic productsN	Apr	20	58	Interferon see Interferon	mp:	41	20
device	June	8	10	Distilled Spirits Council of America - Plan		-	***	Interleukin-2: Cetus and Amgen settle pat- ent dispute N	Apr	13	5
Defense Advanced Research Projects Agen- cy — Partner with Aquanatics to develop				will limit amounts of urethane in whiskey products. W	Jan 6	-13	21	Japan's Teijin plans pharmaceutical for-			-
an artificial gill to provide oxygen to an underwater power system.	May	4	16					mulation plant. N Leukemia: diagnostic technique based on	May	4	14
Definamers—Concentrated deloamers from	may			Distribution Airgas is on a shopping spree to build a				a monoclonal antibody improves di- agnosis of leukemia. N	Mar	2	36
Struktol NP Dehydration — Freeze drying stirs new in-	Mar	30	33	distribution network Needed Some of that old-time literacy—	Mar	30	11	Lilly and Agouron agreement for three-	NAMES	2	-
larest.	Feb	17	42	Viewpoint	Mac	16	3	dimensional drug design N Lipha Group acquires Dey LaboratoriesN	May Feb	11	17
Dehydrogenation				Plastics move into the warehouse Supreme Court okays cutting off discount-	May	4	46	Liposomal drugs come of clinical age			-
Linde and BASF's propane-dehydrogene- tion process N	June	22	31	tersN	May	11	5	(table) Monocional antibodies: Anti-idiotypes —	Feb	17	24
Propane dehydrogenation: Propylene rides				DNA				a second generation of monocionals (table)	Feb	24	23
high on a PP boom (tables) Delaware Bar Ascn,—Takeover law: A burst	Apr	13	36	Cetus method could mean fewer steps in	Enh	17	00	Nova treatment for the common cold			
of takeover laws sparks many challenges	Mar	22	20	gene amplification N Enzo Biochem's DNA probe for detection	Feb	17	23	invaits testing N Ophthalmic drugs: agreement between Al-	Feb	17	23
(map) Denmark—Nordic chemical makers adapt	Mar	23	29	of cytomegalovirus gets FDA ap- proval N	May	4	43	con Laboratories and Creative Bio-			
to an international climate — report	Apr	13	18	NIH will close a testing loophole: guide-	may		40	Molecules N Orphan Drug Act (1963) amendment: Mak-	June	8	28
Dental Products — Antibiotic that fights gum				lines will include foreign tests of gene- spliced products	Feb	10	10	ing life harder for 'orphan drugs' N House approves extending the Orphan	Jan	27	48
Decxyribonucleic Acid see DNA	Apr	13	34	Strobel of Montana State: A DNA re-				Drug ActN	Mar	30	40
				searcher escapes a rebuke N TPA: Genentech files a suit against Abbott	Jan	20	90	Respiratory disease collaborative re- search agreement between John Hop-			
Design Experimental design software: Software				Laboratories over two TPA patents. TPA: International team in TPA produc-	Mar	30	12	kins and SmithKline	Feb	17	23
to experiment with A suite of software to aid plant engineers:	Mar	2	25	tionN	May	4	43	Skin disease: Chemex files two com- pounds that fight skin diseases	Feb	3	19
C-E's package called Pasce	Mar	2	34	Drilling — Oil and gas drilling wastes: EPA eases regulation. N	Jan 6	-13	64	Soulbb and Boehringer may comarket their prized products	Jan	20	27
Three dimensional drug design: Lilly and Agouron agreement N	May	11	17					Stroke prevention: Nimodipine developed	Feb		40
Desulfurization				Acne medication, Accutane isotretinoin,				by Bayer TPA: Genentech files a suit against Abbott	-	3	
Bicarbonate gets the gases out of the		40	-	found to cause birth defects: FDA weighs curbs	May	4	12	Laboratories over two TPA patents TPA: Genentech wins a U.S. patent for	Mar	30	12
stacks Bugs that eat sulfur N	Apr	13	26	AIDS drugs and insurance: NAS-IOM rec-				Activase	June	29	9
China will get two flue-gas desulfurization plants	Feb	24	16	ommendation N Antivirals from Sterling-Winthrop N	June	15	17	TPA: International team in TPA produc- tion	Mar	4	43
Detection - MUPPATS detector from Ar-	1.00	24	149	Aspirin can cut the risk of first heart at- tack	Feb	3	40	Ulcer drug, Avid, from Eli Lilly, approved by FDA		20	5
gonne: A system that shows small mole- cules in 3D (diagram)	Mny	18	48	Bendectin: Merrell Dow wins two Ben-				Vaccines			
Detergents				dectin cases. N Brazilian remedy for ailing pharmaceuti-	June	15	5	AIDS vaccines; progress reports N Applied Technology gets grant to devel-	May	18	78
Colgate and Henkel will split ownership of				cal profits: Merck Sharp & Dohrne Qui-				op an improved vaccinia vaccine. N	Apr	27	16
Lesieur-Cotelle N Enzyme for dissolving fats N	May	18	5	mica e Farmaceutica and Ache Labora torios Farmaceuticos to merge N	Jen	27	34	Chiron finds a virus. , working on a vaccine. N	May	18	78
Forecast 1988 (charts & tables) Part I; In			-	Cancer: Baxter Travenol and Erbamont sign agreement for U.S. distribution of				Federal government can be sued on charge that FDA negligently licensed			
the U.S., bright prospects overshedow uncertainties	Jan 6	-13	34	anti-cancer drug	Mar	9	14	tainted vaccine for sale rules Su-			
From soap to nuts with SDA at Bocs — Viewpoints I Feb 10-3, II	Feb	17	3	Cancer: Du Pont licenses new class of cancer drugs, radiosensitizers, from				preme Court. N Hepatitis B: Japan expected to approve	June	22	40
LAB plant in India	Apr	20	16	Roberts Laboratories N	Mar	9	17	imports and production N	Mar	9	17
Soeps and detergents, more punch in the package — report (charts)	Jan	20	28	CNS drug development partnership; Smith- Kline and Nova.	June	1	61	Immunoinsights breathe new life into vaccines	June	29	67
Reshaping a \$10 billion industry	Jan	20	28	Centrifugal partition chromatography; A better way of predicting a drug's biolog-				AIDS vaccines in research and de- velopment (table)	June	20	67
Tailoring raw materials for the market Phosphates lough out a shrinking market	Jan	20	36 44	ical activity	Apr	6	49	Suicide-gene technology in vaccine de-	90110	-	0.1
The new multi-functionality boom I&I markets gain, soap goes upecale	Jan	20	48 52	Clba-Geigy wants to switch output at Toms. River to manufacture of pharmaceuti-				velopment: Making bugs that self de- struct	May	11	39
Soil antiredeposition agent for use in Igun-	-			ESS. THE PROPERTY OF THE PARTY	Apr	6	5	Trials sought for new rables vaccine to immunize wildlife		18	47
dry detergents NP STPP plent at Crotone, Italy, closed by	June	1	59	Drug delivery: Macrochem and Boston Univ. team improves transdermal drug				West German pharmaceutical revenues			
Ausidet N Zeolites venture formed by Solvey, UCB	May	4	14	delivery—iontophoreels. N Drugs delivery that's only skin deep: Ad-	Mar	16	94	riso	Mar	2	33
and Ausdell N	Jan 6	-13	49	vanced Polymer Systems' Micro-				Dryers & Drying			
Diagnostics				sponge (table)	Mar	9	16	Freeze drying stirs new interest	Feb	17	42
AIDS: Du Pont will market the first auto-				Drug delivery: Transdermal delivery of fentanyl — Alza files NDA N	Feb	3	19	PDS drier: A cheaper way to dry airnost anything (gragram)	Feb	3	36
mated AIDS test N Chiron finds virus that causes hepatitis	Apr	21	16	Drug delivery: Ultrasound delivery of trans- dermal drugs N	Apr	27	16	Duke University — Microbial detoxification at the source: NCS/Duke approach	Feb	3	30
non-A, non-B and viral antigens for use in blood screening test cloned N	May	18	78	Encapsulating cancer drugs in lipo- somes: agreement between Erbamont				Dust & Furne Handling — Wet precipitators	1.60	3	30
Diagnostic technique based on a mono-		100		and Liposome Technology N	Apr	6	49	tackle incinerator stack gases (charts & ta-	May	25	38
clonal antibody improves diagnosis of laukemia N	Mar	2	36	Enzyme to fight an immune disease: En- zon flies new drug application N	Feb	3	19	THE THE PARTY OF T		-	-
Du Pont introduces a rapid test for her-				FDA gets good marks from PMA: 1987				Dyes & Dyeing			
Enzo Biochem's test for cytomegalovirus	May	4	43	new drug approvals (table). Forecast 1986 (charts & tables) Part I: In	Jan	20	6	Ciba-Geigy wents to switch output at Torns River to manufacture of pharmaceuti-			
gets FDA approval N Medical Free Electron Laser Program; SDI	May	4	43	the U.S., bright prospects overshadow uncertainties	Jan 6	-13	34	Transfer printing of natural fibers: Stork	Apr	6	5
spiroff	June	8	9	French R&D suffers from prices	Jan	20	16	Brabant technology N	Apr	20	37

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E			Encapsulation Drug delivery that's only skin deep: APS				Clean Air Act see Law Clean Sites hits its stride as a super			
_			uses polymer microspheres to encap-		-		mediator	Apr	27	19
Earthquakes - Making waste sites sele-			suite topical drugs (table). Encapsulated flame retardants for house	Mar	9	16	Clean Water Act see Law Cooperative agreement with the pulp			
micelly safe (map). Editors' Page — An editor with more than a	Feb	10 22	noid paint	Feb	24	35	and paper industry for dioxin studyN Data base offers free pesticide monitor	May	18	78
touch of class (Patrick P. McCurdy)	Apr 2	20 2	Encapsulating cancer drugs in liposomes: agreement between Erbamont and Lipo				ing inventory N	May	25	42
Economic Trends			some TechnologyN	Apr	8	49	Federal cleanup of facilities is leg- ging	June	22	40
Chemical industry leading indicator (chart & table) Feb 17-52, Mar 9-19, Apr 6-45			Energy				Hazardous-waste rules see Waste Dis-	-	-	
8 table) Feb 17-52, Mar 9-19, Apr 6-45 May 18-71	June 1	15 35	Computer-integrated manufacturing pro- ject to evaluate energy	Ame	15	17	posal — Hazardous chemicals Los Angeles's ozone and carbon mono-			
Monthly business report (charts) Jan 20-78.	-	.5 00	Petroleum: Lower oil tabs could boost	-	10	40	xide air quality plans disapproved. N	Jan	27	48
Feb 24-37, Mar 16-26, Apr 20-52, May 25-28	June 2	22 19	chemicals; the slow shift away from oil use (chart & table).	Jan	27	41	Making waste sites selemically safe (map)	Fab	10	22
Monthly production reports (charts)			Sandia process that converts spiar ener-	-			Pesticide monitoring: Free pesticide monitoring inventory is available N	May	25	42
Feb 3-35, Mar 2-17, Mar 30-23 Monthly stock report (charts & tables)	June	8 2	gy into chemical energy successfully field-tested in terael	Jan 6	-13	22	Pesticide regulation		-	
Jan 6-13—28, Feb 10-16, Mar 9-36, Apr 13-28, May 18-60	June	8 26					Dichlorvos: a special review is sought N	Feb	24	40
Quarterly chemical output report (tables)	-		Agetoo Ltd., U.KU.S.S.R. engineering				EPA may give states a big role in reg- ulating pesticide contamination of			
Jan 6-13—30, (Correction Feb 24-15). Quarterly financial review (charts & tables)	June	1 26	venture . N The Enterprise show links computer sys-	Apr	27	29	groundwater	Mar	9	40
Jan 27-38	May	4 18	tems (diagram)	June	22	28	Pesticides report: Status of chemi- cals in EPA's special review pro-			
Quarterly production forecasts (charts) Feb 24-22, Mar 23-19, Apr 27-45			A suite of software to aid plant engineers: CE's package called Pasce	Mar	2	34	gram (table)	May	4	34
Arre 1-41	June 2	29 16					U.S. regulation goes easy on bio- pesticides	May	4	39
Education			Environment California: Bush wants to delay California				Biopesticide from Mycogen, that			
From soap to nuts with SDA at Boca — Viewpoint	Feb 1	0 3	leasing . N A call for commitment to 'Responsible	June	15	42	combats Colorado potato beetle, gets okay . N	May	25	16
Polymer research: Can U.S. polymer re-	1	-	Care.' Robert D. Kennedy — Other				EPA slaps fees on pesticide makers N	June	1	70
search keep up? (table). Egypt — Chlor-alkali plant	Jan 6-1 May 2		CEFIC chief, Glinther Metz, outlines key	May	4	3	Aldicarb curbs to protect ground-			
		-	aims	June	22	7	PMN: BASF must pay \$1.3 million for	June	29	80
BASE USA's automotive suspension			Clba-Geigy waas support in Toms River for plant conversion	Apr	20	9	violating PMN provisions N	Apr	27	5
springs made of cellular polyurethane			Du Pont plan to build chemical waste in-				Recycling suit settlement requiring the the federal government to purchase			
elastomer . W Rubber report: The changing shape of the	Jan 6-1	13 21	cinerator at Deepwater, N.J. stirs vocal opposition from environmental groups.	May	11	14	recycled products should boost in- dustry N	Apr	20	58
rubber market (charts & tables)	Apr 2	0 18	European environment programs stay healthy N	Feb	3	34	Right-to-know			
TPE: Dow and Exton form joint venture. N Electric Power Generation — Trans-Panama	June 2	9 5	Germany stiffens its industrial ordinance	Feb	3	16	EPA's right-to-know net widens Superfund, Superfund cleanup see Law	Feb	17	16
Pipeline: payment of electricity bill to state-	An- 0	0 50	Italy: Seveso Directive gains ground N Monsanto's herbicide Lasso: Environmen-	Feb	24	27	-Superfund			
owned utility poses threat to pipelineN Electricity—Macrochem and Boston U. team	Apr 2	0 58	talists stage a protest against Lasso . N		18	78	Titanium dioxide: EPA wants to give TiO ₂ a break	Mar	2	48
aims to develop iontophoreals—method of delivering drugs through the skin using			The 9th 9th wave — Part 3 — Viewpoint Pesticides: Environmental concerns force	Apr	13	3	TSCA lets EPA in the door rules court in Alyeska Pipeline dispute N	Feb	10	40
electricity	Mar 1	6 94	global changes in the market — report (charts & tables).	May		22	VOC emission violators face harsh pen-			-
Electromagnetic Interference—Window blind blocks EMI NP	May	4 44	-Letters	June	1	3	Waste disposal: EPA widens a land ban	May	25	17
		-	Pollution control costs The 'crippling' costs of Clean Air com-				to include more chemicals N	Apr	6	66
Electronic Chemicals Engelhard puts two businesses up for			pliance	June	29	8	Environmental Task Force — The push to put plastics recycling in high gear	Mar	9	28
sale	Feb 1	9 5	Superfund: Uncle Sam picks up the tab (chart & table)	June	8	22	Environmental Working Group — Califor- nia's Proposition 65: The industry and			
Forecast 1988 (chart & tables) Part I: In the U.S., bright prospects overshadow			-Letter Texas Eastern will pay big for PCB	June	29	3	lawyers get set for Proposition 65	Feb	10	6
uncertainties Sematech, electronics research consor-	Jan 6-1	34	cleanup	June	15	42	Enzymes			
flum, gets federal funding	Jan 2	0 21	Water treatment: Solving the second generation of environmental prob-				Combating cholesterol via enzyme re-			
Electronics			lems — report (charts & tables)	May	18	18	search Detergent enzyme for dissolving fats N	June Feb	10	42 20
Air Products will take care of entorola's			"Suicide genes": Making bugs that self- destruct	May	11	39	Enzon files drug application for an en-		3	19
Air Products will take care of optorola's gas: "first-of-its-kind partners in the U.S. electronics industry" (ch.".)	May 1	1 9	Superfund see Waste Disposal Syremont receives 1988 Environment				zyme to fight an immune disease . N Genetic engineering of a cheese enzyme, rennin: Celltech and Pfizer licensing	Feb	3	19
AMERICAL PROPERTY OF THE PARTY			Award from CEFIC: A restoration gold				rennin; Celltech and Plizer licensing agreement N	Feb	17	23
plant plans. N Du Pont's Electronics Dept. acquires Hon-	Jan 2	7 33	for Syremont. Wastee seek ways across borders: UN	May :	25	11	Genetic patent for an industrial enzyme,			
eywell's TFML rights for microelectronic packagins	Feb 1	7 13	agreement on transboundary move-	Cob	24	ne	subtilisin N Lipase hydrolysis: Novel processes for en-	June	15	17
Hughes Aircraft's Radar System Group's	PBD 1	/ 13	ment of hazardous waste is near. Water treatment: Solving the second gen-	Feb	24	25	zymatic fat splitting TPA: Genentech files a suit against Abbott	Mar	23	28
ACAPS system: For high-quality plating, Hugher ones on line (decram)	Jan 2	0 86	eration of environmental problems—	May	18	18	Laboratories over two TPA patents	Mar	30	12
Hughes goes on line (diagram) NEPCON West: The latest in boards, coat-			report (charts & tables) Environment see also Air Pollution; Di-	· · · · · ·	10	10	TPA: Genentech wins a U.S. patent for Activase	June	29	9
Photoreeist producers: At Semicon West,	Mar	2 12	oxin; Toxics; Waste Disposal; Waste Utilization; Water Politrilon				TPA: International team in TPA produc- tion N	May	4	43
the password was 'purity' Polymer thick-film inks. New, versallie inks	June	1 12					Wacker-Chemie and BioTechnica enter in-	May	-	43
will cut electronics costs	Apr 2	7 18	Environmental Defense Fund California's Proposition 65: The indus-				to collaborative development program to develop enzymes and fine chemi-			
Sematech, research consortium, gets fed- eral funding: Help for U.S electronics			try and lawyers get set for Pro- position 65	Feb	10	6	cals N	June	1	61
R&D	Jan 2	0 21	Prop 65: Off to a bumpy start	Mar	2	14	Equipment — ACHEMA: A big show reflects a healthy climate	June	15	6
Electropleting			Recycling suit settlement requiring the federal government to purchase re-				The Soviets brought a shopping list	June	15	7
EES Corp. offers free trial of an electro-		0 00	cycled products should boost indus-	Ann	20	58	Friend			
winning process. N EPA proposes wastes from electroplating	June 2	9 66	try Silbergeld comments on NCS/Duke pro	Apr	20	30	Brazil is hungry for ethylene: phaseout of			
of metals will need treatment before dumping	May 2	5 42	ject on microbial detoxification at the source	Feb	3	32	alcohol subsidy boosts naphtha-de- rived feedstock	May	25	8
Hughes Aircraft's Radar System Group's	may L		Water study targets airborne NO,	May	4	10	Hubinger plans fuel ethanol facility at Keo-			
ACAPS system: For high-quality plating, Hughes goes on line (diagram)	Jan 2	0 86	Environmental Policy Institute				kuk, lowa plant W Taxes: Onio tax breaks must be open to	Feb	3	18
Electrostatic Precipitators Wet precipita-			Industry prepares for Title III	Mar	2	40	all N Ethanolamine — Prices N	June Inn 6		40
tors tackle incinerator stack gases (charts & tables)	May 2	5 38	Which catalyst for alkylation? Hydrogen fluoride use in petroleum refining				Ethics—CMA proposes to formulate a code	Jan 6		26
Control Brooks			may be limited in L.A.	Feb :	24	11	of responsible conduct for companies. N	June	15	5
Employee Benefits Child-care programs: Kids get a vote of			Environmental Destantian Assess				Ethodono			
confidence from the CPI	June 1	5 29	Environmental Protection Agency Acid rain effects: stream survey tracks				Amoco's cracker shutdown puts the			
Congressional proposals to mandate some employee benefits	Feb 1	0 40	acidity N Air in the U.S. is cleaner says EPA N	June :	22	40	squeeze on ethylene . N	Apr	13	25
			Air pollution regulations see Air Pollu-	100		-	Australia: contract to Japanese compan- ies for ethylene and VCM complex: N	June	15	31
Polygraphs: Congress moves toward re-			tion Barnes and Kim at OECD meeting: Ac-				Brazil is hungry for ethylene: phaseout of alcohol subsidy boosts naphtha-de-			
stricting polygraphs	Feb 2 Mar 1	4 40 6 102	cident prevention is OECD's primary	Feb	17	21	rived feedstock	May :	25	8
The welcome mat is out for 1988 chemical			Boiler emission control standards face		17		Cain Chemical builds a name in basic chemicals (table & map)	Mar :		22
grads (table). Emulsifiers — Oil-in-water emulsi** or for cos-	May 2	5 6	opposition N Budget: EPA girds for funding cuts	June Feb	3	70 15	Capacity use: Up and coming (chart) China: Three ethylene plants come on-	June	15	9
metics and pharmaceuticals . Jan 6-13 Emulsions—Vinyl acetate emulsions priceeN	5.8 Mar 2	3 32	Catalysts '88: Restructuring for techni-				stream N	May 3	25 16	27 24
Emulsions—virily accesses emulsions phosen	Mar 2	3 32	cal clout — report (charts & tables)	June :	239	20	Chinese plant to be built by Lummus. W	redit	10	24

'The ethylene market event' everyone				Georgia Gulf's Plaquemine, La. plant ex-	Feb	10		Fermentation			
feared: explosion at Shell Oil's Norco, La. refinery	May	18	8	plosion disrupts phenol market N Hoechst Celanese starts to rebuild Pam-	Feb	10	33	Biotech consortium sets its sights on fer- mentation N	Mar	23	16
Partial restart frees up ethylene for Quantum N	June	15	21	pa, Tex. plant	Feb	3	27	Eastman Kodak will build fermentation plant to produce biochemicals at Cedar			
Exton and Chevron plan imports of liquid ethylene into the U.S. Gulf to alleviate				rocket fuel plant wracked by explosions and fire N	May	11	5	Rapids, Iowa W Edible oil from bugs, not the evening prim-	Mar	9	14
shortage N	June Feb	22	36 26	Shell Oil's Norco, La. refinery explosion:	·······y			rose: Oil of Javanicus N	Mar	16	94
Feedstocks see Petrochemicals -	FeD	17	200	'The ethylene market event' everyone feared	May	18	8	Fertilizer Institute — Eximbank decision to finance sale of phosphate mining equip-			
Importing ethylene to where?	Feb	3	12	Partial restart frees up ethylene for Quantum N	June	15	21	ment to Jordan being fought N	Feb	3	40
Markets: Not enough ethylene around to go around	May	4	8	Explosives — Too much bang for the buck? (chart)	June	22	33	Brazil's Petrofertil goes public N	June	15	31
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tion process licensed by Onsite *Ofsite N	Apr	20	37	Forecast 1988 (charus & tables) Part II:	Jan	20	15	Harvey-Jones, John — Shooting the rapids of change—Other views (excerpted from			
Gasoline Casolici				Outside the U.S., strong domestic de- mand provides moder _a growth	Jan	27	20	his book Making It Happen) Concepts of Waterloo won't do — Other	Feb	24	3
Congress prods Reagan on gasoholN	Jan 6	3-13	64	Fraunhofer Gesellschaft joins a data base N	Mac		22	Making it happen by working with people	Mar	2	3
Hydrogen fluoride use in petroleum refin- ing may be limited in L.A.; Which cata-				industrial Accident Ordinance: Germany		3	16	—Viewpoint	Mar	23	3
lyst for alkylation? Katalystiks' FCC catalysts: Refining a so-		24	11	stiffens its industrial ordinance Industry Fair in Hannover, West Germany;	Feb			Hazardous Waste Treatment Council			_
lution to gasoline octanes Motor fuels from microalgae: Microbial	Mar	9	13	Three new ways to deal with waste . Pharmaceutical revenues rise in West	May		7	Critics pound EPA on cleanup Fortuna comments on NCS/Duke ap-	June	29	7
Products working on DOE's SERI pro- lect	Apr	13	45	Germany PET bottles: Will Coca-Cola break Ger-	Mar	2	33	proach to microbial detoxification at the source	Feb	3	32
Taxation: Will higher oil consumption mean a gasoline tax? N	May		40	many's PET barrier? (tables) Propane-dehydrogenation process. N	Mar	9	31	Heat Exchangers — Glue-free sealing sys- tem for plate heat exchangers N	Mar	30	22
Gels - Silica hydrogels plant planned by	result.	**		Texaco sells its West German subsidiary,			10				-
Crosfield Chemicals, market for silica hy- drogets is beer stabilizer market. N	May	4	17	Deutsche Texaco, to RWE (table) Wacker details changes (table)	June	22	8	Herbicides Agent Orange settlement still stands. N	Jan	20	90
General Accounting Office				West German textile sales lose groundN West Germany: The home market loses	Mar	30	29	BASF tangles with Dutch authorities over dumping of herbicide in Rhine RiverN	Apr	27	29
Bigeye report: big questions on the 'chem- ical bomb' N	June	8	40	out to the U.S report (chart & tables)	June	15	22	Forecast: A turnaround for ag chemicals Fungus selectively knocks out jimson-	Feb	17	13
Report on hazardous waste sites: Florio				Giacco, Alexander F. named vice-chairman and CEO of Montedison: Montedison	-	-	-	weed N	Feb	24	16
to EPA — Step up cleanup Generators — Cogeneration: Exxon Chemi-	Jan	21	12	taps Giacco	Mar	30	12	Lifty and Dow won't fight, for safety's sake: both refuse to supply herbicides			
cal's cogeneration project for Baytown, Tex. complex N	Jan 6	3-13	22	Glass				for U.S. antidrug campaign in Peru Monsanto-ICI glyphosate patent accord	June	22	6
Genetic Engineering				Brazil may require windshields laminated with PVB sheeting	May	4	10	opens up opportunities for herbicides. N Monsanto's Lasso: Environmentalists	Apr	13	5
AIDS vaccines: progress reports N	May	18	78	Du Pont's Butacite sheets protect stained				stage a protest N	May	18	78
BioTechnica and Wacker-Chemie enter into collaborative program to develop				glass windows NP Light-controllable film developed by Su-	Jan 6	-13	58	Monsanto produces genetically engin- eered soybean plants able to tolerate			
enzymes and fine chemicals N BioTechnology General's genetic route to	June	1	61	mitomo and Nippon Sheet Glass: film- glass composites production plannedN	Mar	30	22	Roundup herbicide N Monsanto's Roundup Canola, genetically	June	22	31
superoxide dismutase N Celltech and Pfizer licensing agreement	May	11	17	Owens-Illinois-Brockway merger delayed by some antitrust concerns. N	Mar	2	5	engineered to tolerate Roundup herbi- cide, will get a field trial. N	May	26	16
for genetic engineering of cheese en-	F-1	.~	00	Glassmakers merge — legally	Mor	9	11	PSG develops herbicide-resistant sugar			
zyme, rennin N Cetus method could mean fewer steps in	Feb	17	23	Stained glass: Laporte donates a rose win- dow to St. Albans Cathedral to cele-				Pesticides: Environmental concerns force	May	18	58
gene amplification N Engineered protein agreement between	Feb	17	23	brate its own 100th anniversary	May	25	13	global changes in the market — report (charts & tables)	May	4	22
Genentech and KabiGen N Field tests	May	11	17	Gloves AIDS fears boost thin gloves	Mar	2	16	2,4-D: EPA decides against an investiga-	Mar	22	80
BioTechnica gets EPA approval to				SDI apinoff, silicon nitride, might be use-			-		PMGII	23	400
field-test bacteria for use on affalfa. N	Mar	23	16	ful in protective gloves	June	8	10	High-Energy Fuel Explosions wrack a rocket fuel plant. N	May	11	5
Canola, genetically engineered to toler- ate Floundup herbicide, will get a				Glycerine				GTA's PIB, cryogenically ground, as an additive to prevent jet fuel explosions	Apr	20	53
field trial N Corn Moinsecticide heads for the	May	25	16	P&G will supply high-purity glycerine; Dow sells synthetic glyerineNi	Apr	20	51	U.S.S.R. flight-tests a hydrogen-fueled			-
fields. N	June	1	61	Prices N Quantum introduces 99.8% glycerine N	Feb	3	27 76	History — Petrochemicals: The Rise of an	Apr	21	48
Crop Genetics field test for com pesti- cides moves ahead. N	May	11	40	Glycol — Diethylene glycol prices N	Mar	16	91	Industry, Peter, H. Spitz (excerpt from Chapter II)	Jan	20	68
Engineered microbe is monitored in soil Clemson U, testing Monsanto's				Glycol. Ethylene Glycol see Ethylene Glycol Glyphosate — Monsanto-ICI patent accord				—Letter Viewpoints	Feb	24	2
P. fluorescens N	Feb	24	16	opens up opportunities for herbicides. N Gold—A slick new way to recover gold from	Apr	13	5	Petrochemicals: Second to none	Jan	20	3
International working group: An easier road for biotech field tests. N	May	4	50	scrap: Univ. of Wisconsin process	June	8	31	Petrochemicals: A half of fame —Letter	Feb		3
OTA foresees quicker handling of bio- tech field tests N	May	11	40	Great Sittsin				Facing the future in light of the past Holography — Tissue holography: SDI spin-	Feb	3	3
PGS launches a major program of field tests of modified plants N	June		16	Alizo aramid fiber Tweren: U.K. ends em- bergo	Apr	20	5	Hong Kong — L'Air Liquide builds a plantN	June	30	9 29

Hop, Adgild P., manager of TMTD of GE				Italy: All roads lead to chemicals—report		00		GAF declines protection under Dela-	-		-
Plastics: GE's Hop aims for the all-plastic car	Feb		33	(chart) Japan's chemical imports rose by 21% N	May Feb	25	22 34	GAF gets third LBO bid	Feb Mar	9	5
-Letter Hormones - Insulin-like Growth Factor I	May	18	3	Japan defends its exports of molding ma- chines to the U.S	Apr	13	50	GE will acquire Borg-Warner Chemi- cals: GE will buy an ABS maker	June	22	12
(IGF-I): Genentech and KabiGen agree- ment to make engineered proteins. N	May	11	17	Japan: higher imports of petrochem- icals N	Mar	2	33	BF Goodrich tires of tires: 50% stake in Uniroyal-Goodrich Tire to be sold.	Jan 6	-13	13
ment to make engineered proteins. N Houston Economic Development Council— Houston woos Far East companies.	Jan		24	Oil and chemical views don't mix on im-	Apr	27	6	Grow selfs its drug maker, Perrigo, in leveraged buyout	May		13
Hungary — Polystryrene joint venture N	June	29	15	port surge (charge). Petroleum: Oil imports will rise, but price				Gurit-Heberlein saeks control of Es-			
Hydrazine Hydrate — South Korean hydra- zine hydrate venture N	May	18	58	won't, DOE says N Petroleum: U.S. imports will rise N	May Feb	18	78 36	sex's specialties. Essex Chemical aures an unactioned	June	8	12
Hydrocarbons—USGS estimates on hydro- carbon reserves challenged N	Mar	16	102	Polyester: EC sets duties on polyester im- ports N	June		15	suitor. N Gualt-Hebertein raises its bid for	June	15	5
Hydrodealkylation — Nigerian unit on	May		14	Propylene rides high on a PP boom: The	DUINO	20	15	Essex	June		5
lineW	мау		14	balance shifts in propylene trade (tables)	Apr	13	36	Harshaw/Filtrol will be sold to Engethard . Hoffman—La Roche bids \$4 billion for	Jan 6		9
Canada: Liquid hydrogen plant starts in				Trade bill Congress will increase patent protec-				Sterling Drug N Roche's Sterling bid: A sign of the	Jan 6	-13	5
Quebec N HydrogenAL, hydrogen production and	Mar	23	32	tion. N The trade bill finds favor with the CPI.	Apr	6	66	times?	Jen	20	10
liquefaction unit at Bécancour, Que.	June	1	21	A trade bill that may get vetoed N	Apr	27	48	Hoffmann-La Roche ups its Sterl- ing bid — Twice N	Jan	27	5
UC's Linde Div. pressure transfer of liquid hydrogen	Apr	20	16	Trade bill veto looms, work proceads on an atternate. N	May	25	42	Kodak finds a good fit with Sterling Drug	Feb	3	9
U.S.S.R. flight-tests a hydrogen-fueled int	Арг	27	48	Chemical makers call for an adjusted trade bill	June	1	6	Koppers: Beazer Plc makes takeover	Mar	9	5
Hydrogen Cyanide — The search for 'natur- al' antidotes for hydrogen sulfide, cyan-				Mixed outlook for a new trade bill . N U.SCanada free trade pact	June	15	42	Koppers rejects offer and files	Mar	23	5
ide paisoning	Jan	27	44	Antitrust laws may replace anti-	F-4		07	Beazer makes a second, sweet-		-	
Hydrogen Fluoride — LA may limit use in petroleum refining: Which catalyst for al-				dumping laws N U.SCanada trade pact raises more	Feb	3	27	ened bid for slappers Koppers battles to repel a suitor	Mar	30	13
kylation?	Feb	24	11	hackles . N Approval of the Canadian trade pact	Mar	2	48	A hold on BNS's Koppers bid BNS takeover fight dents Koppers'	Apr	13	16
Hydrogen Peroxide Brazil: Interox building second plant . N	June	22	36	moves nearerN	May	25	42	first quarter N More than 50% of Kopper's shares	Apr	27	5
Dow Chemical's hydrogen peroxide	00.10		00	Incineration				are tendered N	May	4	5
bleaching system for mechanical pulps	Mar	9	17	Catalytic incineration destroys VOCs. N Chemical weapons are for burning	June	29	84	A postponement of hearing on the bid for Koppers N	June	1	5
French H ₂ O ₂ plant in Canada — Ony- chem Canada	June	1	21	Chemical weapons will be incinerated on site	Mar	2	48	Beazer finally wins Koppers Kopper's chemicals may have a	June	8	13
A peroxide process that cuts steps and				Du Pont plan to build chemical waste in-	NAME:	-	40	buyer N	June	29	5
capital; Du Pont's new route is a metal- catalyzed reaction (diagram).	Jan	27	36	cinerator at Deepwater, N.J. stirs vocal opposition from environment groups	May	11	14	Laporte restructures and buys W Feb 17-21, N Feb 17-59	Mar	2	14
Venezuelan plant planned N Hydrogen Sulfide — The search for 'natur-	June	22	36	Ecova licenses technology for mobile in- cineration from Shirco Infrared Sys-				Mergers talks and business negotia- tions: Supreme Court tells compan-			
al' antidotes for hydrogen sulfide, cyan- ide poisoning	Jan	27	44	terns N Europe: The burning issue of waste in	Mar	16	94	ies to come clean sooner N Minifedison aims to cut debts will sell	Mar	16	102
Hydrogenation — Standard Oil Company	-			Europe	June	15	19	off three operations	Mar	23	12
(N.J.) — hydrogenation, olefins, and aromatics: excerpts from Chapter 2 of Petro				Ocean incineration: EPA sinks ocean in- cineration N	Feb	10	40	Montedison and EniChem discuss merger N	May	4	14
chemicals: The Rise of an Industry by Peter H. Spitz	Jan	20	75	Rollins' waste incinerator gets a Part B OK at last	Mar	30	17	Montedison, ENI move closer 1987 calms the CPI acquisition pace:	June	1	7
Hydrolysis — Lipase hydrolysis: Novel pro- cesses for enzymatic fat splitting	Mar		28	Wet precipitators tackle incinerator stack			38	major U.S. chemicals units that changed hands in 1987 (table)	Jan	20	62
Hydroxyethyl Cellulose — UC buys back a	- Artigut	20	4.00	gases (charts & table)	May	23	30	Non-U.S. bids: Benefit or risk? (table)	Mar	16	10
hydroxyethyl celluose business from BP Chemicals	Feb	47	5	India Bhopal case				Occidental Petroleum will acquire Cain N	Apr	20	5
				Indian court will hear Carbide's ap-	lan	07		How Cain Chemical will mesh with Oxy	Apr	27	9
				peal N ladien court rules Carbide must pay in-		27	5	Occidental slates a post-Cain public		25	5
				terim relief N Another vote for sabotage at Bhopal:	Apr	13	5	Owens-Illinois-Brockway merger de-			-
				ADL study N UC will fight interim compensation N	May	18 15	47	layed by some antitrust concernsN Glassmakers merge — legally	Mar	9	11
Imaging—MUPPATS detector from Argonne: A system that shows small molecules in				Caprolactam plant contract to Uhde N	Mar	9	38	Pirelli acquires Armstrong Tire: Pirelli likes il second chece		27	13
3D (diagram)	May	18	48	Du Pont is proposing a timely passage to india (table)	Feb	3	32	Rediken fights to go private; takeover rumors prod the founder to buy back			
				Correction	Mar	20	14	the beauty products firm	June	22	13
Imports					Apr	-		Robins accepts Sanofi's bid. N Robins shareholders endorse a take-			9
Imports Adhesives and sealarits: Stronger than ever — report (charts))	Mar	16	28		Apr				Jan 6-	13	
imports Adhesives and sealarits: Stronger than ever — report (charts)). BASF must pay \$1.3 million for violating EPA's PMN provisions. N			28	Indonesia		20	67	over proposal from AHP N AHP outbuts its rivals for Robins			5
Imports Adhesives and sealarits: Stronger than ever — report (charts)) BASF must pay \$1.3 million for violating EPA's PMN provisions. N Balance of trade	Mar			indenesia Chemical complex plans progress N Freeport Indonesia's copper expansion	Jan			AHP outbids its rivals for Robins Robins merger agreement can pro-		20 27	7
Imports Adhesives and sealants: Stronger than ever — report (charts)) BASF must pay \$1.3 million for violating EPA's PMN provisions. N Balance of trade The U.S. trade picture looks better than ever (chart & table)	Mar Apr Feb	27		Indonesia Chemical complex plans progress. N Freeport Indonesia's copper expansion program. N Vista has option to buy stake in an alco-	Jan Feb	10	33	AHP outbids its rivals for Robins Robins merger agreement can pro- ceed when Robins deposits \$100 million into trust fund for Dalkon	Jan Jan	20 27	7
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				The same solutions for continue later				Charlest and are seen and the blobs of			
Inhibitors — Squibb and Boehringer to co- market their prized products N	Jan	20	27	The pace quickens for urethane inter- mediates (table)	Mar	9	30	Chemical workers were world's highest paid in 1986 study findsN	Jan 6	-13	5
to the same of the				International Chamber of Commerce — In Europe, environment programs stay				Chiyoda to build bullene-1 plant for Chi- nese complex . N	Mar	2	33
CdF Chimie tries for a private spot in inks:				healthy N	Feb	3	34	Dainippon will use a new process for			
bids for 40% share of Coates Brothers Lorifleux International merger with	Jan	20	15	International Institute of Synthetic				PE Ethylene: A warning on ethylene capaci-	Jan	27	34
Coates Group completed N	Feb	17	59	Rubber Producers				ty: Japan's growing ethylene export			0
Polymer thick-film inks: New, versatile links will out electromics costs	Apr	27	18	Rubber makers' good fortune could fade in 1968 N	Jan	20	59	market (tables) Exports of molding machines to the U.S.	Apr	6	0
VOC emission violators face harsh pen-				Rubber report: The changing shape of the rubber market (charts & tables)	Apr	20	10	defended N	Apr	13	50
alties	May	23	17	International Joint Commission — Great	1	20	18	Fiber makers plan new plants: Toray plans polyester filament plant; Teijin plans			
Insecticides & Pesticides				Lakes cleanup falters	Apr	13	13	pharmacuetical formulation plant. N	May	4	14
Biopesticide from Mycogen, that com- bats Colorado potato gets EPA okayN	May	25	16	International Superconductor Applications Convention — Bismuth-based com-				Forecast 1988 (charts & tables) Part II: Outside the U.S., strong domestic de-			
Biopesticide genes: international agree-				pounds: A superconductor star is born	Feb	24	13	mund provides moderate growth	Jan	27	20
ment between EniChem and EcogenN California's pesticide law: CSMA sues	May	18	47	International Trade Commission				Grace Japan installs shrinkwrap packag- ing operation. W	Man	16	24
California charging CDFA is improper-				Patent piracy costs the U.S. \$61 billion	9.601		40	Kureha develops engineering plastic,			
ly assesing fees to pay for testing Chicocame and neptachion sales stoppedN	June		20 50	Process patent issue: ITC will consider	Mar	9	40	PKS N Lasers go to work in a gene preparation	Mar	2	36
Corn bioinsectinidesheads for the fieldsN	June		61	complaint by Amgen that Chugai is in-	E-h		**	machine	Mar	23	16
Crop Genetics field test for corn pesti- cide moves shead N	May	11	40	fringing EPA method patent N	Feb	24	40	Mitsibishi Rayon plans a major PAN expansion N	Mar	9	38
Cyanazine: EFA orders stricter controlsN	Jan 6		64	Interstate Commerce Commission				Mitsui's MCX-A, new composite entry. N		17	23
Diazinon banned on golf courses and sod farms W	Apr	20	16	RR regulation: ICC worts to duck some rail rate cases. N	Feb	17	66	Orthopedic meterial from Sumitomo goes to market N	Jan	20	27
Dieldrin bans embitter the days of the	L. Spir	20	16	Reagan asking Congress to abolish			40	Petrochemicals: Healthy gains for Japa-	- Court	20	201
locusts controversy over the use of the pesticide in North Africa	Apr	13	14	Truck dereg is good for you, say FTC and	Feb	3	40	nese exports are accompanied by higher imports	Mar	2	33
Dinoseb: Suppliers agree to cancel pest-				ICC	June	1	70	PET bottles will be produced by Denki			
icide registration N EPA data base offers free pesticide mon-	Jan	27	48	ton Exchange—Ion exchange polymers scavenge low metal levels. Omni Tech				Kagaku Kogyo N PET makers rejoice	May	18	58
itoring inventory N	May	25	42	receives license from Dow	Apr	6	49	Polypropylene — Japan's strategy: Close			,
EPA regulation				towa State University — Combating choles- terol via enzyme research.	June	1	42	ranks, expand (table) Production gains: Japan and U.K. leadN	Jan 6-	13	50
Aldicarb curbs to protect ground- water N	June	29	80	Irradiation — Bans are stunting growth of				Research center for peptides and pro-	May	11	
Dichlorvos: A special review is	Feb	24	40	irradiation	Jan	21	15	teins research	Jan	27	33
SCHIGHT N EPA slaps fees on pesticide makersN	June		70	leocyanates				R&D spending: Chemicals lead the R&D pack in Japan	Jan 6-	-13	8
Groundwater contamination: EPA may				Aftered polymer rotates light American Cyanamid completes aliphatic	June	8	10	Sumitomo completes a research cen-			16
give states a big role in regulating pesticide contamination of ground-				isocyanates plant at Willow Island,		-		Superconductor research wins fundingN	June	3	19
water N	Mar	9	40	W.Va. Isoprene — Shell will make ultra-high-purity	Mar	9	14	Superconductors: An advance in films-		00	0.7
FIFRA Trying to fix a broken FIFRA	Feb	24	9	isoprene at Deer Park, Tex N	Apr	13	25	hotmium-based film N Tire venture for Michelin, Michelin Oka-	Jan	20	27
Senate panel agrees on pesticide				larael				moto Tire	June	1	25
registration fees. N Senate panel finishes work on the	Apr	6	66	Haifa Chemicals' new investments N	Jan	27	34	Tokyo's exchange lures U.S. chemical listings	Apr	6	46
FIFRA bill N	Apr	27	48	Sandia process that converts solar ener- gy into chemical energy successfully				Tosoh to acquire Varian Associates' spe-			
Forecast: A turnaround for ag chemicals French pesticide sales rise N	Feb	17	13 15	field-tested	Jan 6	-13	22	cialty metal division N Japan Society of Industrial Machinery Man-	June	15	31
Monsanto's Lasso: Environmentalists				Italy				facturers — Japan defends its exports of			50
stage a protest against Lasse. N Pest-killing fertilizer for use on paddy	May	18	78	Ausidet shuts down STPP plant at Cro-				molding machines to the U.S. N Johns Hopkins School of Public Health —	Apr	13	50
rice NP	Mar	30	33	tone N Dow Chemical's stake in Montedison ex-	May	4	14	Working to develop in vitro allergy			
Pesticide Alert stirs up debate on fresh produce	June	29	17	ceeds 2% N	Apr	20	5	tests Johns Hapkins University School of Medi-	Apr	13	34
Pesticides: Environmental concerns force	-	-		Dow beefs up its stake in MontedisonN Dow's disclaimer only fuels Italian	May	11	5	cine-Respiratory disease collaborative			
global changes in the market — report (charts & tables)	May	4	22	concern	May	18	12	research agreement N	Feb	17	23
Pesticide markets: Consolidation is	-			EniChern caprolactam unit at Man- fredonia faces closure again N	Mar	16	72				
The outlook for FIFRA	May	4	22 27	EniChem caprolactam unit is back in				V			
EPA's priorities	May	4	28	business N EniChem puts its chips on R&D, joint ven-	Apr	20	54	K			
Industry issued International concerns	May	4	29 34	tures	Mar	9	9				
States: Not enough money	May	4	35	Exxon acquires acrylates capacity from Sochima N	Mar	2	33	Kagoshima University — Lanthanum-stron-	Cab		0
Biopesticides' market potential Biopesticides regulation: Feds take	May	4	35	Forecast 1988 (charts & tables) Part II:	10.02	-	00	fium-niobate: superconductor at 320 K	Feb	3	8
it easy on biopesticides	May	4	39	Outside the U.S. strong domestic de- mand provides moderate growth	Jan	27	20	Kaolin			
-Letters Sandoz will step up R&D effort to make	June	1	3	Himont plants engineering resins plant	-			Norfolk Southern adds second kaolin train W	Apr :	20	16
a better bioinsecticide N	Apr	27	16	based on Catalloy technology N ICI increases its pharmaceutical stakeN	May Mar	25	27 38	Silicon tetrachloride from clay NP	Jan 6	13	58
Specialty pesticides: Realizing special- ties' potential (table)	Mar	2	9	Italy: All roads lead to chemicals — re-				Kenaf — Kenaf: A cheaper pulp for brighter U.S. newsprint	Feb	10	21
Institute of Gas Technology — Bugs that				port (chart) Montedison aims to cut debts	May	25 23	22 12	Kolowsky, Donald E., president of Pfizer			
eat sulfur N Institute of Makers of Explosives — Explo-	June	8	28	Montedison and EniChem discuss mer-				Chemical Div.: A 33-year for Pfizer's chemical chief	Jan	27	35
sives: Too much bang for the buck?				ger Montedison, ENI move closer	May	4	14		- Court		20
(chart) Institute of Medicine — AIDS drugs and in-	June	22	33	Montedison taps Giacco: Alexander F.	JUNE	,	,	Korea, South Ethylene: A warning on ethylene capa-			
surance: NAS-IOM recommendation N	June	8	40	Giacco named vice-chairman and CEO	Mar	30	12	city; the big buildup in Far East ethy-			
Instruments				Nylon-6 film plant will be built by joint		30		lene derivatives (tables) EC withdraws South Korea's tariff ad-	Apr	6	8
Contaminants monitoring system: porta-				venture Emblem Europe N Seveso Directive gains ground N	May Feb	25	27	vantage	Jan 6-	13	49
ble spectroscopic system N	Mar	23	16	Seveso Directive gams ground 14	1.00	24	21	Flocculant production; joint venture. N Honam Oil Refinery's PP plant, using	Feb	17	59
Equipping the world chemical laboratory Viewpoint	Mar	9	3					Unipol process, has smooth startupN	Apr	13	25
On-line NIR analysis saves time and mon-		-						Hydrazine hydrate venture N Lummus to build PF and PP plant W		18 16	58 24
ey (diagram) PitCon: Turning analytical instruments to	June	1	28	J				MDI: Korean-German joint venture N	Apr	13	43
market demands	Mar	2	6	•				Polystyrene plant planted N	Jan :	20	67
Portable spectrometer that identifies tox- ic gases in the workplace N	Apr	20	37	Japan				Solvay joint venture to produce wood fi- ber-filled polypropylene sheet N	Mar	16	72
Positron transmission microscope: A new		-	-	ABS producers: good numbers : N	Feb	17	59	Kunstmann, Gerardo — APLA calls Oxi-	Anc		60
view of reactions N	Jan	27	33	Ammonia plant will close its doors N	Mar	9	38	quim's Kunstmann Kuwait — British Petroleum: Kuwait snaps	Apr	6	52
Insurance				Asahi unveils its disc formula and new plant plans	Jan	27	33	up an 18% chunk	Jan :	20	22
AIDS drugs and insurance; NAS-IOM				Biotech products: imports and produc-							
recommendation N	June	8	40	tion of hepatitis B vaccine and interfer- on production expected to be ap-							
German drug makers riled by proposed welfare cuts	Jan	20	15	proved	Mar	9	17	1			
States push hard on liability charges N	Mar	30	40	Catalysts '88 report: Japanese foreign trade in catalysts surges in tonnage				-			
Superfund cleanup costs: Insurers es- cape paying some Superfund costs N	Apr	6	66	and in dollars (charts)	June	29	46	f shalles			
Interferon — Japan expected to approve				Japanese catalysts: Production and sales (table)	June	29	58	Formaldehyde regs stir suits	Apr	13	11
production N	Mar	9	17	Caustic soda prices	Apr	27	17	SPI codes plastics for recycling (diagram)	Apr :	20	14
Intermediates				Chemical companies benefit from two							
				key economic trends N	June	8	17	Labor			
Chloropyridine, key intermediate in Olin's	lar	27	40	key economic trends N Chemical imports rise by 21% N	Feb	3	34	Child-care programs: Kids get a vote of	hans	15	20
Chloropyridine, key intermediate in Olin's Ornadine biocides, debottlenecked N	Jan	27	43	key economic trends N		3			June	15	29

Common day Com												
Committee of the proposed services and the	Employee benefits: Congressional pro- posals to mandate some employee				ware's law N	Feb	24	5	A data base to help communities prepare — CAMEO	June	22	24
April Commented process April Commented Commented April Commented Commente	German drug makers riled by proposed	Feb	10		SEC befriends Tate & Lyle's takeover	-			Safe Drinking Water Act	U.S. I.S.	-	2.7
Libro Control	High-risk disease notification bill diesW				Discounting: Supreme Court olkays cut- ting off discounters. N				ting pesticide contamination of	Mar	9	40
Committee Comm	Labor and management pursue a middle	Feb			Du Pont-Conoco merger stands, rules				Lead-free solder for water pipes N			34
Secondary Company Co	-Letter		27		Employee benefits: Congressional pro-	-	-	40	ing water N	June	29	80
Employee could be twenty proposed promoted programs of a selection of the promoted programs of a selection of the promoted programs of the p	ized labor policies	June	8	5	benefits	Feb	10	40	spill, more regulations?	Jen 6	3-13	19
Postular programmer and all contents of the	Ethylene oxide: New limit proposed.				ruling in Ohio case N	June	8	40	Rules	Feb	3	28
Colored content of the depth hazard Colored colore	Formaldehyde regs stir suits				charge that FDA negligently licensed				EPA and industry push for new Su-			
And the continue of the contin					Supreme Court N	June	22	40				28
Commonwealth and an occurrent commonwealth and a	OSHA unveils plan to address 428 tox-	Mar	23	34	FIFHA			9	Du Pont's Al system 313 advisor, helps			
Records regrection. The content of CSMA program involves boward have a program in the program involves boward have a program in the progra	ic air contaminants all at once:	June	15	16	Senate panel agrees on pesticide				guirements			36
COAM rigiding amergar with LAMP No. May 25 5 Forecast 1988 (charts & baseles) Part Lambers properly and the property of the pr	Records inspection: You can tell OSHA				Senate panel finishes work on the				Title III: EPA wants to give TiO, a			48
Residually sits, unknown Charge with Bull and South April 1997 of the Control Control of Special April 1997 of the Control Con	OCAW rejects a merger with UMW N				Forecast 1988 (charts & tables) Part I:	Apri	21	40	Title III: ITS Technologies' software			
Figure 1 Services Charge Figure 2 Services	restricting polygraphs				shadlow uncertainties				Supreme Court looks at Superfund			17
Simplement Tark Into the process of the companies of the	Rail safety is lax, unions charge N	Feb			Formaldehyde regs stir suits From sosp to nuts with SDA at Boca —					Mar	30	40
Laser got sook in a gene pageation of the contract of plant blockers and subset sides false	Firestone T&R hit by strike N	May	25	5	Viewpoint Genentech files trade secrets suit	Feb	10	3	perfund	Mar	30	40
RBC: A call for updating RBD bit systems (chartuil and support in the chartuil and sup				5	against Invitron, Monsanto and	Feh	17	5	escape paying some Superfund	Anr	6	66
And a call for updating stageting field between several productions make the common several productions of the common several production of the common several									Lautenberg: EPA is missing Super-			48
Testing Smithfilmen's acquaistance in the setting marketing. La Superval Live. — Exchange repeatable in the setting marketing. La Superval Live. — Exchange repeatable in the setting marketing to the setting of the	R&D: A call for updating R&D lab sys-	Mac	16	90	can't decide	Mar	16	102	Superfund amendments — SARA Ti-	Mhi	61	40
Seminibline form in lab bearing marked. April 13 5 Indements with only a princh victory. N. April 23 15 Indements with only a princh victory. N. April 23 16 Indements princh victory. N. April 23 16 Independent pr	Testing: SmithKline's acquisition of Inter-	rengi	10	00	owners seeking to bar imports of for-				right-to-know law	May	25	10
Lasers go to work in a gene proparation. Mar 23 16 Lasers go to work in a gene proparation. Mar 24 16 Lasers go to work in a gene proparation. Mar 25 16 Lasers go to work in a gene proparation. Mar 26 16 Lasers go to work in a gene proparation. Mar 27 16 Lasers go to work in a gene proparation. Mar 28 16 Lasers go to work in a gene proparation. Mar 29 16 Lasers go to work in a gene proparation. Mar 29 16 Lasers go to work in a gene proparation. Mar 20 17 Lasers go to work in a gene proparation. Mar 20 17 Lasers go to work in a gene proparation. Mar 20 17 Lasers go to work in a gene proparation. Mar 20 17 Lasers go to work in a gene proparation. Mar 20 10 Lasers go to work in a gene proparation. Mar 20 10 Lasers go to work in a gene proparation. Mar 20 10 Lasers go to work in a gene proparation. Mar 20 10 Lasers go to	SmithKline first in lab testing marketN	Apr	13	5	trademark win only a minor victory. N	June		5	Superfund - Uncle Sam picks up the			42
Lisers go to work in a gene praparation marker brown Japan N Har 2 16 Supermer Court of the Commission rendered by Supermer Court of the Supermer Court of	La Sapienza Univ. — EniChem's research contract on plant biotechnology N	June	15	31	High-risk disease notification bill dies. W Irradiated foods: Bans are stunting growth	Apr	6	16				22
Listers go 1s work in a gene proportation. May 2 16 Portable conformation monitoring type from N Lake 2 16 Cloves: AIDS fears boost Ping gloves. Polysar will self its later, operation to Mar 2 16 Cloves: AIDS fears boost Ping gloves. May 2 16 Cloves: AIDS fears boost Ping gloves. Polysar will self its later, operation to May 2 15 Sprewbullanders latered to book property of the control of the property of the proper	Lasers				of irradiation				Title III compliance: CPI managers hustle to meet the deadline	June	22	22
Portable contamination constructing systems (and the properties) in the property of the proper	Lasers go to work in a gene preparation machine from Japan N	Mar	23	16	Kansas natural gas flep will be settled by				A data base to help communities			24
Law Court All Stears boost thing gloves Polysea will sell states operations to Ask Search Ask Court Ask Search Ask Se	Portable contaminants monitoring sys-				Love Canal ruling to be appealed by Oxy-	-			Critics pound EPA on cleanup			7
Glover: AIDS lears boost thing gloves. Polyage will not its last expending or the polyage of the life states of the polyage of the last last separation to be polyage of the last last last last last last last last		Percent	813	10	Merger talks and business negotiations:	Percent	6	15	1,000 N	June	29	80
Assert services a route to rubber via Poly- Baser Services Systeme-buildenen latexes prices N Mar 23 32 Mar 24 32 Mar 23 32 Mar 24 32 Mar 23 32 Mar 24 32 Mar 25 32 Ma	Gloves: AIDS fears boost thin gloves	Mar	2	16	come clean sooner N	Mar	16	102	sparks many challenges (map)	Mar	23	29
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Agent Conge actitement sit stands. N April Conge	BASF seeks a route to rubber via Poly- sar (chart)	Jan	27	14	promise to halt CFC production			18	 Tennesse well water contamination case: court limits Velsicol damages 	June	15	15
Agent Orange settlement still stands. N Jan 20 90 conflorerity between Argentine government and Afternative fields legislation: atternative fuel standards will likely pass in Achteriate investigation in the state investigation in the state investigation of the state investigation or the sta	Styrene-butadiene latexes prices N	Mar	23	32	f./fontreal Protocol ratified by SenateN Multinational: Should U.S. courts on mul-	Mar	23	40		Jan	27	13
County, NC. for using weaterwater treatment fachnology without its feb 10 12. Hernalwith tales logisations call already from the standards will likely pass in Mary 4 Ademander the standards will likely pass in			•	00	tinational? Supreme Court to rule on controversy between Argentine gov-				States push hard on liability chargesN	Mar	30	40
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Alternative fuels laciplation: alternative fuel standards will filely pass in March Achiano Collant-collapte: neutlis of Bath Achiano Collapte: neutli	treatment technology without li-				Natural gas: Fina loses gas leese fight				EPA will scrap questionnaire on wastes	Inn	07	40
fuel standards will likely pass in Mar 9 40 Marchards appearementation of the country of the cou		Feb	10	12	Natural gas: high court denies bonuses				EPA and Alyeska Pipeline Service dis-	Jan	21	48
Ashland Oil fank collapse, results of Bat- tallie investigation Achiand to appeal verification and selection classes. Supreme Supreme Court won't order a N.J. tax refund. Annotate bill H.R. 3 amend- ments: non-U.S. treestment in U.S. Companies Supreme Court won't order a N.J. tax refund. Apr 6 6 6 7 The trade bill include bill refund by the companies of th	fuel standards will likely pass in	Mar	9	40	Natural gas pipelines, FERC rules see	June	8	40	TSCA	Feb	10	40
Achland to appeal vertical swarding former executives \$59 millor in case in volving orbites to foreign officiate. Plant of the proving orbits of the proving orbits. Also also an an alternate or orbital members or the proving orbits. Proposition 65: Off to a burn-pry start. Clas-Geigy indicted gain in N.J. over unlawful disposal of hazardous waste from torns River plant. Notice of the proving orbits or the proving orbits or the proving orbits orbits. Per proving orbits or the proving orbits orbi	Ashland Oil tank collapse: results of Bat- telle, investigation N	June		28	New Jersey tax to clean up toxic				Congress will increase patent protec-			
sendectin Merrell Dow wink two Bendectin Merrell Dow wink two Bendectin Cases June 15 June 16 June 16 June 17 June 17 June 18 June 18 June 18 June 19 June 29 June 20 June	Ashland to appeal verdict awarding for-		-	-	order a N.J. tax refund	Apr	6	66	tion The trade bill finds favor with the CPI			66
ectin cases California pesticide law: CSMA sues California sues pesticide law: CSMA sues California subports as easing the companies of the CSMA sues California sues pesticide law: CSMA sues California subports as easing the companies of the CSMA subports and subports	volving bribes to foreign officials N	June	22	5					A trade bill that may get vetoed N	Apr	27	48
california charging CDFA is improperly assessing feels to pay for Proposition 65. The industry and lawyers get set for Proposition 65. California's Proposition 6	ectin cases	June	15	5	companies (table)	Mar	16	10	on an alternate	May	25	42
California's Proposition 65: The industry and itswyers get set for Proposition 65 California's Proposition 65: Off to a bumpy start Cba-Gelgy indicted again in N.J. over unlawful disposal of hazardous waste from Toms River plant N Ean Air Act Clean Air revision comes into sight. Congress delays decision on ozone untill Aug. prods Reagan on gaschoil Amar 2 13 The Clean Air revision comes into sight. Congress delays decision on ozone untill Aug. prods Reagan on gaschoil Amar 2 13 The Clean Air revision comes into sight. Congress delays decision on ozone untill Aug. prods Reagan on gaschoil Amar 2 13 The Clean Air revision comes into sight. Congress delays decision on ozone untill Aug. prods Reagan on gaschoil Amar 2 13 The Clean Air revision comes into sight. Congress moves toward restricting polygraphs: Congress moves toward restricting polygraphs. N The needle jumps for a polygraphs. N Pallincad safety, Reagan will sign a still products should boost in dusty. The crippling' costs of Clean Air Compliance Clean Water Act May 13 May 25 May 25 May 26 May 27 May 15 May 28 May 29 May 29 May 20 May 20 May 30	fornia charging CDFA is improperly as-			00	ing life harder for 'orphan drugs'. N	Jan	27	48	trade bill			6 42
California's Proposition 65: Off to a bum- py start Clas-Gelgy indicted again in N.J. over un- lawful disposal of hazardous waste from Toms River plant. N Feb 24 Clean Air revision comes into sight. Congress delays decision on ozone untill Aug. prods Reagan on gas- ohol The Clean Air fact battle of '88 is joined Ford agreed to pay for VCC violation's Revisions: stringent cuts are set N Optimism on a clean air compro- mise on a clean air compro- mise on all an air compro- mise on all an air compro- mise on air air compro- mise on all an air compro- mise on air c	California's Proposition 65: The industry				Drug Act N	Mar	30	40	Trademark law: Business supports a			40
Mar 2 14 National Propose 14 National Propose 15 National Propos		Feb	10	6	Patents: Process patent holders get				Trademark laws: A push for trademark			
lawful disposal of hazardous waste from Tome River plant. N Feb 24 5 Clean Air Act Clean Air revision comes into sight. Congress delays decision on ozone until Aug. prode Reagan on gasohol Air The Clean Air Act battle of '88 is joined Ford agreed to pay for VPC violationN Mar 2 13 The Clean Air Act battle of '88 is joined Ford agreed to pay for VPC violationN Mar 2 13 Mar 3 40 Commission on a clean air compromise EPA gets tough about dirty air The clean air Standards Attainment Act of 1987. S 1984: The crippling costs of Clean Air Compliance Clean Water Act Mucoffying citizen suits under the Clean Water Act Mu	pv start	Mar	2	14	new allies — lawyers N Pentagon is sued for its buying policy	Feb	17	66	Truck deregulation: Proponents blow their			9
Clean Air Act Clean Air revision comes into sight Congress delays decision on ozone until Aug. prode Reagan on gas- ohol The Clean Air Act battle of '86 is joined Ford agreed to pay for VPC violationN Mar 2 48 Ford agreed to pay for VPC violationN Mar 3 49 VPC emission violators face harsh penalties EPA gets fough about dirty air The clean air Standards Attainment Act of Sean Water Act Muddying citizen suits under the Clean Water Act Muddying citizen suits Feb 10 EPA widers a laind bun to include more chemicals Feb 24 EPA widers a laind bun to include more chemicals Feb 27 EPA wild top 36 substances from hazards list May 25 EPA wild top 36 substances from hazards list May 25 EPA wild top 36 substances from hazards list May 25 EPA wild top 36 substances from hazards list May 30 EPA proposes that more weakens Feb 17 EPA wild top 36 substances from hazards list May 25 EPA wild top 36 substances from hazards list May 25 EPA wild top 36 substan	lawful disposal of hazardous waste	Feb	24	5	because of blanket waivers of the	Apr	20	58		Mar	23	40
Congress delays decision on ozone until Aug. prods Reagan on gas- ohol I and Ford agreed to pay for VOC violation N Revisions: stringent cuts are set I N Revisions: stringent cuts are	Clean Air Act				Pollution cases, legislation see Air				Antitrust laws may replace antidump- ing laws N	Feb	3	27
chol manipulation of the Canadian trade pact moves nearer with the canad	Congress delays decision on ozone	Surio	100	9.	posal; Water Pollution				U.SCanada trade pect raises more		2	48
Ford agreed to pay for VCC violation N Revisions: stringent cuts are set N Agr 2 48 Prices Supreme Court okays cutting Mar 9 40 Prices Supreme Court okays cutting Mar 16 102 Prices Supreme Court okays cutting Mar 17 Mar 30 Mar	ohal		-13		restricting polygraphs N	Feb	24	40	Approval of the Canadian trade pact			42
Continuism on a clean air compromise with a compromise with a compression of the compress	Ford agreed to pay for VOC violationN	Mar	2	48	ban N	Mar	16	102	Water treatment: Solving the second	may	6.0	70
Mar 30 40 Fallroad safety: Reagan will sign a stiff N June 22 40 Fallroad safety: Reagan will sign a stiff N June 22 40 Fallroad safety: Reagan will sign a stiff N June 22 40 Fallroad safety: Reagan will sign a stiff N June 23 40 Fallroad safety: Reagan will sign a stiff N June 24 40 Fallroad safety: Reagan will sign a stiff N June 25 40 Fallroad safety: Reagan will sign a stiff N June 25 40 Fallroad safety: Reagan will sign a stiff N June 25 40 Fallroad safety: Reagan will sign a stiff N June 25 40 Fallroad safety: Reagan will sign a stiff N June 25 40 Fallroad safety: Reagan will sign a stiff N June 25 40 Fall safety Reagan will sign a stiff Pall safety Reagan will sign a stiff N June 25 40 Fall safety Reagan will sign a stiff N June 25 40 Fall safety Reagan will sign a stiff N June 25 40 Fall safety Reagan will sign a stiff Pall safety Reagan will sign a stiff N June 25 40 Fall safety Reagan will sign a stiff Pall safety Reagan will sign a stiff Pall safety Reagan will sign a st					off discounters N	May	11	5	report (charts & tables)	May	18	18
penalties EPA gets fough about dirty air The clean air bill is 'stuck on dead center' N Clean Air Standards Attainment Act of 1987. St. 1994: The 'cripping' costs of Clean Air Compilance Clean Water Act Muddying critizen suits under the Clean Water Act Muddying critizen suits under the Clean Water Act Moddying critizen suits under the Clean Water Act Small restraints for citizens' Clean Water Suits N Commercial Motor Vehicle Salety Act of 1996: New Trucking rules emphasize safety Contrail's former engineer Gates, involved in Jan. 1997 crash in Chase. Md. pleads guilty to one count of manslaughter N Feb 24 Agr 20 Becycling suit settlement to puchase recycled products should boost in N Apr 20 Becycling suit settlement to puchase recycled products should boost in N Apr 20 Begulation: Holding the line on divergent leading to the Clean Water Act BOK at last EPA will consess that more wastles will need replace the more chemicals N Apr 13 Begulation: Holding the line on divergent leading to the Clean Water Act BOK at last EPA will drop 36 substances from hazards list in Jan. 27 Liability States push hard on liability charges N Mar 30 Apr 6 Begoviling suit settlement to puchase recycled products should boost in N Apr 20 Begoviling suit settlement to puchase recycled products should boost in N Apr 20 Begoviling suit settlement to puchase recycled products should boost in N Apr 20 Begoviling suit settlement to puchase recycled products should boost in N Apr 20 Begoviling suit settlement to puchase recycled products should boost in N Apr 20 Begoviling suits suits under estricting polygraphs N Mar 16 Begoviling should boost in N Apr 20 Begoviling suits suits under the clear polygraph ban N The needle prough send polygraphs N Mar 16 Bed - Peping Abaro on the lead in polygraphs N Mar 30 Begoville products so visits under the lead in polygraphs N Mar 10 Begoville products a polygraph san N Mar 10 Begoville products a polygraphs N Mar 10 Begoville products a polygraphs N Mar 10 Begoville products a polygra	mise N VOC emission violators face harsh	Mar	30	40	Railroad safety: Reagan will sign a stiff rail safety bill N			40	pleads guilty to a criminal charge N	June	8	5
The clean air bill is 'stuck on dead cen' left' of the composition and Flatouring to the proping for above product should boost in the flatouring to the proping of the composition and Flatouring to the composit	penalties		25		Recycling suit settlement requiring the				moves toward restricting polygraphs. N			40
Clean Air Standards Attainment Act of 1987's 1894'. The 'tropping' costs of Clean Air Compoliance: St. 1894'. The 'tropping' costs o	The clean air bill is 'stuck on dead cen-				cycled products should boost in-	Anc	20	60	The needle jumps for a polygraph banN Lead Piping: A ban on the lead in pipe for	Mar	16	102
Clean Water Act Muddying clitzen suits under the Clean Water Act Normarcial Motor Vehicle Salety Act of 1996: New Trucking rules emphasize safety Contrall's former engineer Gates, in- volved in Jan. 1997 crash in Chase. Md. 1996 roash in Chase. Md. 1996 grads in Chase. Md. 1996 roash in Chase. Md. 1996 roash in Chase. Md. 1996 roash in Chase. Md. 1996 grads in Chase. Md. 1996 grads in Chase. Md. 1996 roash in Chase. Md. 1996 grads in Chase. Md. 1996 substance from hazards list Nau 2 5 Lability States push hard on liability charges. N Mar 2 4 Royling some Superfund costs: Insuers escape have grade for the right-to- know law Title Ill commoliance: CPI managers Title Ill commoliance: CPI managers	Clean Air Standards Attainment Act of	June	,	10	Regulation: Holding the line on dereg-				drinking water	June	29	80
Clear Water Act Muddying citizen suits under the Clear Water Act N Feb 10 40 FPb 10 40	Clean Air Compliance	June	29	8	Resource Conservation and RecoveryAct	reo	3	40	Natural gas: Fine loses gas lease fight with			
Small restraints for citizens' Clean Water sulfs. Napr 13 50 Commercial Motor Vehicle Safety Act of 1996: New Trucking rules emphasize safety. Contrail's former engineer Gates, involved in Jan. 1987 crash in Chase. Md. pleads guilfy to one count of manslaughter. Napr 13 50 Feb 10 24 Fight-to-know the widens. Feb 17 16 Feb 17 16 Feb 18 17 16 Feb 19 17 16 Superfund cleanup costs: Insuers escape paying some Superfund costs. Napr 6 6 Lehight University — 1988 grads: The well come mat is out (table). May 25 Liability States ush hard on liability charges. N. Mar 30 Superfund cleanup costs: Insuers escape paying some Superfund costs. Napr 6 6 Lehight University — 1988 grads: The well come mat is out (table). Superfund cleanup costs: Insuers escape paying some Superfund costs. N. Apr 6 6 Entry University — 1988 grads: The well come mat is out (table). Superfund cleanup costs: Insuers escape paying some Superfund costs. N. Apr 6 6 Entry University — 1988 grads: The well come mat is out (table). Superfund cleanup costs: Insuers escape paying some Superfund costs. N. Apr 6 6 Entry University — 1988 grads: The well come mat is out (table). Superfund cleanup costs: Insuers escape paying some Superfund costs. N. Apr 6 6 Entry University — 1988 grads: The well come mat is out (table). Superfund cleanup costs: Insuers escape paying some Superfund costs. N. Apr 6 6 Entry University — 1988 grads: The well come mat is out (table). Superfund cleanup costs: Insuers escape paying some Superfund costs. N. Apr 6 6 Entry University — 1988 grads: The well come mat is out (table).	Muddying citizen suits under the				B OK at last	Mar	30	17	El Paso N	Apr	13	50
Water suns Commercial Motor Vehicle Satety Act of 1896: New trucking rules emphasize Satety Corruit of the control of 1896; New trucking rules emphasize Satety Corruit of the control of 1896; New trucking rules emphasize Feb 10 24 Fight to know new widens Feb 17 Feb 17 Feb 24 Fight to know new widens Feb 17 Feb 17 Feb 24 Fight to know new widens Feb 17 Fe	Clean Water Act N Small restraints for citizens' Clean				more chemicals N	Apr	6		Bush wants to delay California leasingN Lehigh University — 1988 grads; The wel-	June	15	42
1986: New trucking rules emphasize safety. Feb 10 24 ERA's right-to-know net widens Feb 17 16 States push hard on liability charges N Mar 30 4 Cornal's former engineer Gates, involved in Jan. 1987 crash in Chase, Md. pleads guilty to one count of marslaughter N Feb 24 40 New Jersey girds for the right-to-know law Title III compliance: CPI managers	Water suitsN	Apr	13	50	EPA proposes that more wastes will				come mat is out (table)	May	25	6
Contail's former engineer Gates, in- volved in Jan. 1987 crash in Chase, Md. pleads guilty to one count of manslaughter N Feb 24 40 New Jersey girds for the right-to- know law May 25 10 Liability see also Product Lability Title III compliance: CPI managers Superfund cleanup costs: insurers escape paying some Superfund costs N Apr 6 6 Tort reform does not spell relief (map) Jan 27 1 Liability see also Product Lability Title III compliance: CPI managers	1986: New trucking rules emphasize	Feb	10	24	Right-to-know					Mar	30	40
Mid. pleads guilty to one count of manslaughter. N Feb 24 40 know law May 25 10 Liability see also Product Liability see also Product Liability per law of the right-to-manslaughter. N Feb 24 40 know law May 25 10 Liability see also Product Liability per law of the right-to-manslaughter. N Feb 24 40 know law May 25 10 Liability see also Product Liability per law of the right-to-manslaughter. N Feb 24 40 know law May 25 10 Liability see also Product Liability per law of the right-to-manslaughter. N Feb 24 40 know law May 25 10 Liability see also Product Liability per law of the right-to-manslaughter. N Feb 24 40 know law May 25 10 Liability see also Product Liability per law of the right-to-manslaughter. N Feb 24 40 know law May 25 10 Liability see also Product Liability per law of the right-to-manslaughter. N Feb 24 40 know law May 25 10 Liability see also Product Liability per law of the right-to-manslaughter. N Feb 24 40 know law May 25 10 Liability see also Product Liability per law of the right-to-manslaughter. N Feb 24 40 know law May 25 10 Liability see also Product Liability per law of the right-to-manslaughter. N Feb 24 40 know law May 25 10 Liability see also Product Liability per law of the right-to-manslaughter. N Feb 24 40 know law May 25 10 Liability see also Product Liability per law of the right-to-manslaughter.	Conrail's former engineer Gates, in-	. 00			EPA will drop 36 substances from				Superfund cleanup costs: Insurers escape	-		66
Delaware's corporate antitakeover legis- Title III compliance: CPI managers Lime—Quicklime as a possible substitute for	Md. pleads guilty to one count of	Enh	24	40	New Jersey girds for the right-to-				Tort reform does not spell relief (map)			13
lation: lightening up taxeovers. Feb 10 7 hustle to meet the deadline. June 22 22 caustic sodia N May 4 1	Delaware's corporate antitakeover legis-				Title III compliance: CPI managers				Lime—Quicklime as a possible substitute for			
	lation: Tightening up takeovers	reb	10	7	hustle to meet the deadline	June	22	22	caustic soda	мау	4	17

Linear Alkylbenzene Indian LAB plant. , W	Apr	20	16	Japan's DIC makes some U.S. manage-				Materials Handling			
Liposomes				ment changes	May		5	OECD meeting on handling of hazardous waste: Chemicals want 'in' on OECD's			
Encapsulating cancer drugs in liposomes: agreement between Erbamont and Lipo				ground: union strategy for 1988	Feb	17	32	Paris agenda Plastics move into the warehouse	May	3	16
some Technology N	Apr	6	49	Labor Sec. McLaughlin calls for human-				McAndrews, John ("Jack") P., group v-p for	may	-	
Liposomal drugs come of clinical age	Feb	17	24	ized labor policies	June	8 2	5	Du Pont's Automotive Products: McAn- drews steers a straight course	May	18	72
Lipton, Jeffrey, Du Pont's Polymer Products				Maintenance management systems:				McCraw, Leslie, Jr., president of Fluor Corp.:			
Dept. v-p: Du Pont's Lipton—Man on the move	May	4	20	New technology pulls the pieces to- gether (charts).	Mar	9	20	McCraw sees the fruits of his labors	June	15	26
Liquor—Distilled Spirits Council of America	-			—Letter	Apr	27	3	than a touch of class — Editors' page	Apr	20	2
plan will limit amounts of urethane in whiskey products	Jan 6	6-13	21	Making it happen by working with people —Viewpoint (discussion of Making It				Measurements — DOD opts for the metric system	Mar	16	102
Lubricants				Happen by Sir John Harvey-Jones)	Mar	23	3	Measuring — Hughes Aircraft's Radar Sys- tem Group's ACAPS system: For high-		100	
Exxon prohibited from selling some lubri-				Monsanto's Specialty Chemicals Div's David B. Price, Jr., v-p and general				quality plating, Hughes goes on line			
can'ts that Lubrizol alleges infringe on its patent. N	June	20	5	manager: Monsanto's Price takes chal- lenges in stride	Jan (112	55	(diagram)	Ulam	20	86
Fomblin-based products: An industrial	JUNE	29		Montedison aims to cut debts: will sell off	Jan	-13	20	Meat — Smoked meat casing NP	May	4	44
lube doubles in skin care (table) Shell boosts its lube oil additives produc-	Mar	23	33	three operations and concentrate on key businesses	Mar	22	10	Medical Applications Biocompatible resins for medical uses. NP	Free	24	20
tion	Feb	3	34	Montedison taps Giacco: Alexander F. Gi-	Mar		12	Blood vessels: small synthetic blood ves-	Feto	24	35
				acco named vice-chairman and CEO. 1987 calms the CPI acquisition pace: ma-	Mar	30	12	sels enter human trials N Orthopedic material from Sumitomo goes	Apr	13	34
				jor U.S. chemicals units that changed				to market	Jan	20	27
				hands in 1987 (table) The ninth ninth wave — Viewpoints	Jan	20	62	Respiratory disease collaborative re- search agreement between John Hop-			
M				Mar 30-3, Apr 6-2	Apr	13	3	kins and SmithKline N	Feb	17	23
				Occidental Petroleum's acquisition of Cain Chemical: How Cain Chemical				SDI high-tech spinoffs: computer-archi- tecture project at Mayo Clinic; Medi-			
Magnesium				will mesh with Oxy	Apr	27	9	cal Free Electron Laser Program: tis-	h.ma	0	9
Dow increases operating rates at Free- port, Tex. magnesium plant N	Mar	30	32	Oxiquim's Gerardo Kunstmann, vice- president and cofounder: APLA calls				sue holography Vascular biology collaborative research by British Bio-technology Ltd. and	June	0	9
Market growth is foreseen N	Feb	20	33	Oxiquint's Kunstmann	Apr	6	52	by British Bio-technology Ltd. and Pfizer N	himo	20	66
Maintenance — Maintenance management systems: New technology pulls the pieces				Pfizer Chemical Div. president Donald E. Kolowsky: A 33-year odyssey for Pfiz-				Meetings May 11-3, May 18-3, May 25-3,	June		
together (charts)	Mar	9	20	er's chemical chief Phillips Petroleum's John VanBuskirk,	Jan	27	35	June 1-3, June 8-3, Juna 15-3	June	22	3
-Letter	Apr	27	3	head of Plastics Div., corporate v-p:				Membranes			
Management				Phillips's VanBuskirk finds work a joy Quantum Chemical: A new name, a new	May	25	29	L'Air Liquide and Du Pont plan separations joint venture N	Feb	10	5
Air Products and Chemicals: Gearing for growth on many fronts.	Mar	2	20	commitment to chemicals (chart)	Feb	10	28	Air Products-Akzo joint venture in air sep-			
Air Products names a new president, Frank J. Ryan	June	20	11	Reichhold Chemicals appoints new presi- dent and CEO Thomas R. Mitchell	Apr	13	10	aration will develop membranes . N Aquanatics's O ₂ extraction process: Get-	May	18	5
Akzo renames its five divisions W	Mar	30	21	Reichhold maps strategy under new own- ers: interviews with C. Robert Powell				ting oxygen out of air and water	May	4	16
Allied-Signal's 'new generation leader' — Frederic M. Poses, president of Engi-				and Thomas R. Mitchell	Feb	17	48	Battelle process will boost membrane permeation N	Mar	16	94
neered Materials unit	June		73	Robins, A.H. Reorganization plan mod- ified; Robins deposit of \$100 million in-				Dow starts up a membrane-cell plant at			49
Affled-Signal taps Betzer to be president. Amax's new unit targets specialties: Cli-	Apr	6	13	to a trust fund for Dalkon Shield claim-				Freeport, Tex. N Gas producers permeate the membrane	Apr	6	
max Performance Materials	Mar	9	27	ants would free company to sign mer-				sector Hollow-fiber membranes for the continu-	June	15	37
Annual meetings: Institutional investors' find a new voice (table)	Apr	20	41	ger agreement with American Home Products N	Mar	23	5	ous separation of waste products from			***
Arco Chemical takes an independent stance (chart & table)		30	23	Rohm and Haas: Vincent L. Gregory, Jr. announces retirement; John C. Haas				cell cultures	Apr	20	37
Armand capitalizes on differences	Mar		77	announces retirement from the com-	Mari			(chart)	June		29
Cdf Chimie's chemicals sector reorgan- ized and renamed, Norsolor N	Jan 6	8-13	49	pany's board	May	11	5	—Letters. Linde plunges deeper into mem-	June	29	3
Cain Chemical builds a name in basic				vey Jones — Other views (excerpted from his book Making it Happen	Enh	24	2	branes	June	1	61
chemicals (table, map) CEFIC chief, Günther Metz, outlines key	Mar	23	22	Concepts of Waterloo won't do —	Feb	29	3	Metais			
aims	June	22	7	Other views Sterling comes out a winner	Mar	30	20	Catalysts '88 report (charts & tables) Cyprus forges three new metals units N	June Mar	29	20
CW Management Advisory Panel survey: Upbeat prospects for chemicals in				UC plans to realign	June	29	12	Pfizer sells metals business to Ame-			
1988 (charts). Child-care programs; Kids get a vote of	Feb	3	22	UCB moves to protect itself against raid- ers	May	18	58	tek W Meters — Portable spectrometer that identi-	Jan	20	23
confidence from the CPI	June	15	29	Vista Chemical: Adding value in the PVC				fies toxic gases in the workplace N	Apr	20	37
Cooperative research and technology strategies: In relentless pursuit of				market Vista adopting "Shareholder Rights	Apr	6	62	Methanol			
acquired technology—Conference Bd.		0	**	Plans" to make unsolicited takeovers more difficult W	June	8	16	Alternative fuels: Picking and choosing	Mar	20	40
Conference Delaware's corporate antitakeover legis-	Mar	9	13	Wacker details changes (table)	June		16	among alternative fuels N California plan to reduce smog in the	Mai	30	140
lation: Tightening up takeovers GAF declines protection under Dela-	Feb	10	7	Manpower, technical — The welcome mat is out for 1988 chemical grads (table)	May	25	6	Los Angeles Basin by substituting more methanol for gasoline and diesel fuels			
ware's law N	Feb	24	5	Manufacturers of Emission Controls Assn.				approved	Jan	20	27
SEC befriends Tate & Lyle's takeover suit to acquire Staley Continental	May	11	8	—Catalysts '88 — report Marketing — Telemarketing rings up more	June	29	20	Prices N Jan 6-13-26 N Tenneco will resume methanol output at	Jan	27	43
Dexter Corp.'s K. Grahame Walker, presi-			-	chemical sales	June	8	32	Pasadena, Tex. N	Apr	20	51
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Du Pont's Automotive Products' John ("Jack") P. McAndrews, group v-p: Mc-				Biotechnology Process Engineering Cen-				BASF start gives MMA makers pause Who cranks out MMA in Western	Jan	20	64
Andrews steers a straight course	May	18	72	ter passes NSF's review Suh's process produces microcellular	Apr	13	15	Europe	Jan	20	65
Du Pont's Polymer Products Dept's v-p Jeffrey Lipton; Du Pont's Lipton —				foams: Foamed polymers toughen up		00		Du Pont will build MMA monomer plant on Texas Gulf Coast N	Apr	27	35
Man on the move	May	4	20	their act Ultrasound delivery of transdermal	Mar	30	34			-	-
Elf Aquitaine appoints Jacques Puéchal new director of chemicals N	Mar	16	72	drugs N	Apr	27	16	Methyl-Tert-Butyl-Ether Arco Chemical takes an independent			
Elf Aquitaine corrects the record N	Apr	6	55	Whitman comments on making waste sites seismically safe (map)	Feb	10	22	stance (chart & table)	Mar		23
Engelhard reorganizes its operating units	Mar	30	5					Spain: Repsol's MTBE plants N	Apr	20	54
EniChem puts its chips on R&D, joint ven- tures	Mar	9	9	Advanced materials: Better things for				Methylene di-para-Phenylene Isocyanate	Ame	12	43
Executive compensation: Top pay for top				better living through chemistry				Korean-German joint venture. N Mobay will expand capacity.	Apr		76
brass (charts & tables) —Letter	May		22	Viewpoint Letters	Jan 6- Feb		2	The pace quickens for urethane inter- mediates (table)	Mar	9	30
Fluor Corp's Leslie McCraw, Jr., president:				Du Pont celebrates R&D, past and fu-		-	-	Metric System — DOD opts for the metric			-
McCraw sees the fruits of his labors GE Plastics's Adgild P. Hop, manager of	June	15	26	ture: a look ahead at materials re- search	Jan	20	8	system	Mar	16	102
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tic car —Letter	Feb May	18	33	Glass-ceramic cooking surface material:				Forecast 1988 (charts & tables) Part II: Outside the U.S., strong domestic de-			
Grace, W.R.'s Hugh L. Carey, executive v-p. Governor Carey is back in the				Outdoor grilling made easier NP Orthopedic material from Sumitomo	May	4	44	mand provides moderate growth	Jan May	27	20 27
chemical business		13	31	goes to market N	Jan	20	27	Repsol Mexicana formed N Michigan State University — 1988 grads:	-		
Henkel launches a consolidation drive Henkel's U.S. unit gets new president,	Mar	23	9	Powdered ceramiclike material from Grace acts as superconductor N	Jan	20	27	The welcome mat is out (table) Microbiology — Oxyrase's novel antioxi-	May	25	6
Harald P. Wulli N	Mar	16	5	Sumitomo holmium-based film: New in				dant targets market in anaerobic micro-	h	40	50
Hoechst Celanese merger does well (chart)	Mar	23	14	superconductors N Superconductors: Superactivity in super-	Jan	20	27	biologicals N Microscopes — Positron transmission mi-	Jan 6	13	59
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research No Gas-release modeling on a personal computer Notificular models see Molecular Models Molecular Models Modeling Japan defends its exports of molding machines to the U.S. Notificular computer Molecular Modeling — Molecular computer Molecular Modeling —	thorities over N N n n n n n n n n n n n n n n n n n	Mar Apr Jan 6 Mar June Jan Apr Feb Feb June Apr Jan Apr May May May May May May	30 27 -13 -30 -18 -29 -20 -27 -20 -17 -24 -29 -6	29 49 16 58 5 67 20 37 42 27 64 42
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Air Products introduces ultra-high purity			phosate opens up opportunities for hwitsicides N	Apr	3 5		Jan 6-	13	64
Air Products sending oxygen to Dow W	Feb 3 Jan 27		Piracy costs the U.S. \$61 billion annually	Mar	9 40	Part I: In the U.S., bright prospects			
Aquanatics's 3, extraction process: Get- ting oxygen out of air and water	May 4		nually	Feb 1	7 66	overshadow uncertainties	Jan 6	13	34
Dow-BOC joint venture in air separa-			TPA: Genentech wins a U.S. patent for			mix on import surge (chart)	Apr	27	6
tion N	May 18	5	TPA patents: Genentech files a suit	June 2	29 9	saysN	May	18	78
Chlorofluorocarbons see also Chloro-			against Abbott Laboratories over two TPA patents.	Mar 3	10 12	Offshore Bush wants to delay California leas-			
fluorocarbons Ozone controversy			Trade bill: Congress will increase patent protection	Apr	6 66	OPEC: A corneback for OPEC? N	June	15	90
Congress delays decision on ozone until Aug. N	Jan 6-13	64	The trade bill finds favor with the CPI.		3 9	Overseas investment in U.S. retining industry grows. N	Apr		35
L.A's ozone and carbon monoxide air			Penicillin Spiraco receives license from Beecham to produce penicillin antibiotica			Pipelines: Trans-Panama Pipeline's pay-	240		50
quality plans disapproved by EPA N Montreal Protocol: EC pushes for chlo-	Jan 27		in Saudi Arabia. N Penn State University — Diamond-crystal-	June	8 17	utility poses threat to pipeline N	Apr	20	58
rofluorocarbons control N Du Pont urged to "abide" by a promise to halt CFC production by Senators	Feb 24		coating technology: SDI aninoff	June	8 10	Prices: DOE sees oil prices rising slowly, but not farN	Feb	17	66
to half CFC production by Senators Montreal Protocol ratified by Senate N	Mar 23		Pentaerythritol Tetranitrate — Explosives:			Prices: Lower oil tabs could boost chemi-	Jan		41
Progress in moves to ban CFC use N Du Pont will phase out CFC N	May 30 May 30	29	Too much being for the buck? (chart) Peptides — Japanese research center for	June :		Prices: Oil prices will be flat, and U.S.			
How long a farewell to CFC produc-			peptides and proteins research N Permeetion — Battelle process will boost	Jen :	27 33	Heserves: USGS' estimates on hydro-	Feb		36
Montreal Protocol signed by Reagan N	Apr 13		membrane permeation	Mar	16 94	SONS	Mar	16	102
Dow will drop fully halogenated chloro- fluorocarbons N	May 25	16	buys Andrew Jergens N	Apr :	27 5		Jan 6-	12	19
Urban air pollution: ozone pollution is up. N	May 11	40	Petrochemicals			Ashland Oil sets up dial-a-claim for			
			Amex acquires a stake in Brazilian petro-			Pittsburgh spill	Jan	3	5 28
			chemicals	Jan 6-1 Apr	6 53	GTA's Elastol, a polymer that separates oil from water, for oil-spill cleanups.	Apr	20	53
			Asociacion Petroquímica Latinoameri- cana: APLA calls Oxiquim's Kunst-			Taxes: oil industry campaigns to win tax incentives, basing its case on	-		
P			mann		6 52	U.SCanada trade pact N	Mar	2	AB
			Brazil buoys the private sector N	June Feb 1	1 11	Pharmacoutical Manufacturers Ason.			
Accutane Pak warns of birth defects	May 4	13	EniChem conducts petrochemical	June 1	5 31	AIDS vaccines in research and develop- ment (table).	June	29	67
CFC use in all disposable foam plastic products will be phased outN	Apr 20		feasibility study for China N 'The ethylene market event' everyone feared: explosion at Shell Oil's Norco,			FDA gets good marks from PMA: 1987			6
Du Pont's Electronics Dept. acquires		30	La. refinery	May 1	8 8	new drug approvals (table)	Jan :	200	0
Honeywell's TFML rights for micro- electronic packaging	Feb 17	13	Brazil is hungry for ethylene: phaseout			Phenol Capacity use: Up and coming (chart)	June	15	9
Grace Japan installs shrinkwrap packag- ing operation	Mar 16		of alcohol subsidy boosts naphtha- derived feedstack	May 2	5 8	Market: The spot phenol market heats			
NEPCON West: The latest in boards, coatings.			Lower oil tabs could boost chemicals			the U.S. market N	Feb		33 91
Nylon film shuns sparks: flame-retardant			(chart & table). Solvay secures feedstock supplies	Jan 2			Mar	10	31
packaging	May 4		for Sarraibe N Forecast 1988 (charts & tables)	Apr 2	7 29	Phosphate FI fighting Eximbank decision to finance			
Stat	Feb 3 May 4		Part I: In the U.S., bright prospects overshadow uncertainties	Jan 6-1	3 34	sale of phosphate mining equipment	Feb	3	40
		-	Houston woos Far East companies	Jan 2		Grace finds a buyer for its Florida fer-			-
Paint Auto alloys bond with paint NP	June 1	58	Imports: Oil and chemical views don't mix on import surge (chart)	Apr 2	7 6	Olin forms joint venture with Albright &	June		21
Automotive paints: ICI and Nippon join paint forces.	Mar 30	10	Japan: healthy gains for exportsare accompanied by higher importsN	Mar	2 33	Wilson and Texasgulf	Apr	27	5
Du Pont's auto finish lab is 'state of the	Feb 17	14	Monsanto will divest Australian petro- chemicals		9 5	ture with Albright & Wilson and Texas-	Apr	27	5
art'	100 11	14		NAME:	9 3	guifN	Pille !	mile.	3

Phosphorus — Elemental phosphorus from byproducts	June	8	28	Hoechst Celanese slates plastics com- pounding unit at Shelby, N.C. plant . W	June	29	13	LDPE: Westlake Polymers will expand capacity	Jan 27	,	R3
Pigments — Ciba-Geigy sells cadmium and Mercadium pigment technology to				India: Du Pont is proposing a timely passage to India (table)	Feb	3	32	Mobil will boost its PE capacityN OxyChem moves into HDPE with Cain's	May 25		31
SCM Chemicals	Feb	10	12	 Correction. Japanese entry in engineering resins, 	Mar	9	14	assets Polyethylone makers keep a wary eye	Apr 27		9
Pipelines Lead-free solder for water pipes N	Apr	19	34	Kureha's PKS N	Mar	2	36	on rising ethylene prices (charts) Prices N Mar 9-26, N June 1-43, N	Mar 16		6
Lead-in-pipe: A ban on the lead in piping				Mail may be slow, but plastic is catching on fast: plastic envelope market N	May	25	31	Quantum Chemical: A new name, a	June 8		36
for drinking water	June		A0	NAPCOR sets up headquarters in Char- lotte, N.C.; will boost plastics re-				new commitment to chemicals (chart) South Korean plant to be built by	Feb 10)	28
FERC policy N Supreme Court upholds natural gas	Feb	17	66	cycling	Feb	10	20	Spain: Dow plans PE plant at Tarra-	Mar 16	8.	24
competition	Apr	27	48	producers display their wares at the NPE	hone	20	6	gona	May 25		27
electricity bill to state-owned utility				Packagers will phase out CFC use in all	June			Seadrift, Tex. complex N	Apr 6		5
poses threat	Apr		58	disposable foam plastic products . N Recycling: The push to put plastics re-	Apr	20	58	Polyethylene Glycol — Prices N	June 15		21
liquid hydrogen	Apr	20	16	cycling in high gear. The lengthening reach of legislation	Mar	9	28 29	Polyethylene Terephthelate Bottles			
mitment to 'Responsible Care'. Flobert	May	4	3	Recycling: SPI codes plastics for re-				Japanese PET makers rejoice	Mar 9)	7
D. Kennedy — Other views	may	•		cycling (diagram) Resin sales lag in January N Rohm & Haas expanding in plastic	Apr	20 27	14 35	Japanese company begins producing PET bottles N	May 18		58
Pittsburgh Conference & Exposition on Analytical Chemistry and Applied Spec-				modifiers at Grangemouth, U.K.				Will Coce-Cola break Germany's PET barrier? (tables)	Mar 9		6
troscopy Equipping the world chemical laboratory				Societe Française Exxon Chemical	May	11	15	NAPCOR will boost plastics recycling . N Recycling: The push to put plastics re-	Feb 10		20
- Viewpoint	Mar	9	3	acquires fiber-reinforced plastics business from Arjomari N	Apr	6	5	cycling in high gear	Mar 9		28
Tuning analytical instruments to market demands	Mar	2	6	Spain's resins sector: integration N		27	34	Spanish consumption of PET soars N Polyimides — Japan has new composite	Mar 23	1	36
Plant Design — A suite of software to aid plant enginers: CE's package called				SPC conference: Pumping up structural foams	Apr	20	12	entry, Mitsui's MCX-AN	Feb 17		23
Pasce	Mar	2	34	Thermoplastics see Thermoplastics Trucks: Trends in trucks boost plastics				Polylecbutylene GTA's Elastol, a polymer that separates			
Plant Genetics				(chart) Warehousing: Plastics move into the warehouse	Feb	10	8	GTA's Elastol, a polymer that separates oil from water, for oil-spill cleanups.	Apr 20	,	53
Biopesticide genes: international agree- ment between EnlChem and Ecogen N	May	18	47		May	4	46	GTA's PIB, cryogenically ground, as an additive to prevent jet fuel explosions	Aur 20		53
Canola, genetically engineered to tolerate Roundup herbicide, will get a field				Plastics see also specific plastic Plastics Institute of America — Can U.S.				Polyketonesulfide — Kureha's PKS, engi-	Mar 2		
trial	May	25	16	polymer research keep up?	Jan 6	13	52	neering plastic N	Mar 2		36
Continental Grain and DNAP developing plants that make nutritional oils N	Apr		16	to put plastics recycling in high gear	Mar	9	28	Polymers Advanced polymer composites: Key			
Com bioinsecticide heads for the fields. N EniChem's research contract on plant	June	1	61	Plating				players vie for a base in U.S. carbon fibers (charts)	Apr 20		6
biotechnology with La Sepienza UnivN	June	15	31	EES Corp. offers free trial of an electro- winning process. N	June	29	66	Altered polymer rotates light	June 8	1	10
Monsanto produces genetically engi-	-			winning process	Mar	2	12	Antioxident synergiet NP Battelle tests polymer composites in	Jan 6-13		58
Roundup herbicide N	June	22	31	ing of metals will need treatment				the sky N British groups will study polymer seal	Apr 27		16
PSG develops herbicide-resistant sugar beets	May	18	58	before dumping	May	25	42	performance	Mar 30	1	22
Strobel of Montana State: A DNA re- searcher escapes a rebuke N	Jan	20	90	num group metal prices: Rhodium tabs top the pack (chart)	June	29	45	uses polymer microspheres to en-	Mar. 0		
		_		How three U.S. industries use plati- num group metals (table)	June		58	capsulate topical drugs (table)	Mar 9		16
Plant Location Earthquake hazards: Making waste sites				Poisoning — The search for 'natural' anti-	Suries		30	mers . N Foarned polymers toughen up their act:	Apr 20	,	54
seismically safe (map)			22 24	dotes for hydrogen sulfide, cyanide paisaning	Jan	27	IEE.	Suh's process produces microcellular foams.	Mar 30		34
Plasma Processing — The plasma- processing torch is rekindled	Mar		92	Polyacrylamide — Flocculant production comes to Korea N	Feb	17	50	GTA's Elastol, a polymer that separates			
	NAME !	10	DE.	Polyacrylonitrila				oil from water, for oil-spill cleanups . GTA's PIB, cryogenically ground, as an	Apr 20		53
Plastic Film ICI's digital paper stores data 'cheaper'	Feb	24	12	Courtaulds-Grafil will build a PAN plant				additive to prevent jet fuel explosions inks: Polymer thick-film inks — New,	Apr 20		53
Light-controllable acrylic films developed by Surnitomo and Nippon Sheet				in the U.S. N Key players vie for a base in U.S. carbon	Apr	13	5	versatile inks will cut electronics	Apr 27		18
Glass	Mar	30	22	fibers (charts)	Apr	20	6	lon exchange polymers scavenge low metal levels: Omni Tech receives			
litylon film shuns sparks: flame-retardant packaging NP	May	4	44	sion N Polycarbonate — Surnitorno Naugatuck	Mar	9	38	license from Dow N Liquid crystals: Amoco completes ac-	Apr 6		49
Nylon-6 film plant: Emblem Europe, joint venture	May	25	27	will begin marketing PC reain from	Admir			quisition of Dartoo's liquid-crystal			_
Oriented polypropylene film: UCB in- creases OPP film capacity in Britain . N	Mar		72	DowN	May	4	14	polymer operation	Apr 6		5
Oriented PP film prices N Packaging film sales are expected to	Feb	3	27	Polychlorinated Biphenyls Microbial detoxification at the source:				producers display their wares at the NPE	June 29		6
BGMF	Feb		27	NCS/Duke test waste is PCB. Texas Eastern will pay big for PCB.	Feb	3	30	MacroChem and Alcolac in joint-research venture in HLM and polymers W	May 11		15
Packaging: smoked meet casing NP Rhône-Poulenc will acquire PE film	May	4	44	cleanupN	June	15	42	Perfect prepolymers	Jan 6-13		58
producer, Beta Physics N	Jan	27	34	Polyester				from Atochem	June 22		16
Pleatics				Du Pont and Alliad-Signal settle patent suits. N	Jan 6	13	5	Research: Can U.S. polymer research keep up? (table)	Jan 6-13		52
ABS: GE will buy ABS maker, Borg- Warner Chemicals	June	22	12	EC sets duties on polyester importsN	June	29	15 17	Palvolefina			
ABS: Good numbers for Japan's ABS producers	Feb	17	50	Fiber producers raise tabs N Japan's Toray plans polyester filament	May	4		Converse's energy-returning shoe has	from .		
ABS prices	Mar	16	91	plant N Prices: resin makers hit by raw material	May		14	a modified polyclefin foam midsole, NP Mail may be slow, but plastic is catching	June 1		58
GM and Chrysler team up	June	1	12	costsN	May	4	17	on fast: plastic envelope market	May 25		31
Low-volume, low-investment cars: Ford's LIV project	June	1	12	Polyethylene				study	lac 22		42
Automobiles: GE's Hop aims for the all- plastic car	Feb		33	Belgium: Exxon pilot plant contract to Uhde	Mar	9	38	of 1987. N Solvay secures feedstock supplies for	Dent 21		00
Automotive: SAE — Fiero bows out, but auto plastics push on	Mar		16	BP Chemicals signs marketing agreement with Erdbichemie N			34	Sarraibe N TPO: Auto alloys bond with paint NP	Apr 27 June 1		29 58
Automotive: Solvay has a new unit for				BP Chemicals will increase polyethylene				Polyphosphazene — Fire-rasistant poly- mer from Atochem N	June 22		16
plastic car parts N Bottles	June		16	capacity			14				
Continental builds a bottle plant W PET see Polyethiene Terephthalate	Mar	9	14	chemicals (table & map)	Mar :	23	43	Polypropylene ATC to build PP and nylon compound			
Cleaner: faster plastic cleaner from Chisso	May	4	44	'The ethylene market event' everyone feared: explosion at Shell Oil's Norco,				ing plant N Amoco will increase PP yern production	Feb 3		37
Degradable plastics joint venture N	Feb	24	36	La refinery	May	18	8	at Bainbridge, Gå. DSM slates a new polypropylene plant . N	Jan 20 June 29		59
Europe: APME notes plastic growth in Europe	June	8	17	its HDPE production at Tessenderlo,				European puzzie: PP tabs (chart & table).	Mar 23		7
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rait i. Ill the O.C., bright prospects			34	HDDE process N	Apr :	27	29	Himont and Statoli posipone PP project			72
overshadow uncertainties	Jan 6	-13	34	HDPE: Oxy's board okava PVC and HDPE	- 4			at Antwerp N	Mar 16		
overshadow uncertainties				HDPE process. N HDPE: Oxy's board okays PVC and HDPE expansion plans	June	1	5	at Antwerp	Mar 16 May 11		
GE Plastics' Polymer Processing Devel-	Jan 6 May Feb		5 5	HDPE: Oxy's board okays PVC and HDPE expansion plans. N LLDPE: Lummus to build unit for China. W LDPE: Exxon boosts capacity in Bel-	June Mar	1	5 24 26	at Antwerp N Himont will add 600 million lbiyear of PP capacity N Hoectst will license Himont's Spheripol process N	May 11 Jan 20	4	36

Holmam Oil Refinery's PP plant in Korea, using Unipol process, has smooth startup. Apr 3 25 June 1 43 June 1 43 June 1 45 June 1 50 June 1 45 June 2 45 June	i pulps . N lables) y lables y lables y light prospects airritise . It is not westcoast forces . N cals after their hart & table) . One so westcoast orces squeeze tarch . N njoys healthy se sued for lies ablanket waivers ovisions . N Manufacturing . N h bblab, purifiee . N s for the convext products . N weste products . N weste products . N we for hydrogen	Apr June Mar	24 10 24 20 18 25 16 20 13 15	17 34 12 21 27 45 62 31 91 58 15 17 36 37
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Production Brazillan styrene and PS venture gets a green light Dainippon will use a new process for PS Degradable plastics joint venture. N Fine will expand its PS capacity at Carville, La, plant. N France's Norsolor plane polystyrene plant N France's Norsolor plane polystyrene plant N Polysar plane PS expansion at Decatur, Ala, plant. N Polysar plane PS expansion at Decatur, Ala, plant. N Polysar will increase its polystyrene capacity. N Polycar blant at Al-Jubal is up and running. N Polytechnic Institute — Altered polymer rotates light. Polyterathurorethylene — Teffon toughs if our: Du Pont wins round in light against alleged PTFC dumping (table). Polyterathurorethylene — Teffon toughs if our: Du Pont wins round in light against alleged PTFC dumping (table). Propylene	Manufacturing N bLab, purifies N s for the conwaste products N te for hydrogen	Apr June Mar	13 15 2 20	15
Stazilian styrene and PS venture gets a green light	bLab, purifies N s for the con- waste products N te for hydrogen	June Mar Apr	2 20	
Dainippon will use a new process for PS PS Degradable plastics joint venture. N Feb 24 Signs are "go" for chemicals (charts). June 8 Signs are "go" for chemicals (charts). June 8 Signs are "go" for chemicals (charts). June 8 Signs are "go" for chemicals (charts). June 8 Signs are "go" for chemicals (charts). June 8 Signs are "go" for chemicals (charts). June 8 Signs are "go" for chemicals (charts). June 8 Signs are "go" for chemicals (charts). June 8 Signs are "go" for chemicals (charts). June 8 Signs are "go" for chemicals (charts). June 8 Signs are "go" for chemicals (charts). June 8 Signs are "go" for chemicals (charts). June 8 Signs are "go" for chemicals (charts). June 10 Sign	bLab, purifies N s for the con- waste products N te for hydrogen	June Mar Apr	2 20	
PG Degradable plastics joint venture. N Feb 24 36 Part 1: In the U.S., bright prospects overshadow uncertainties. Jan 6-13 34 Part 1: In the U.S., bright prospects overshadow uncertainties. Jan 6-13 34 Jan 6-13	bLab, purifies N s for the con- waste products N te for hydrogen	June Mar Apr	2 20	
Ville, La, Dahnt. France's Norsolor plans polystyrene plant. N Apt 13 Ap	bLab, purifies N s for the con- waste products N te for hydrogen	Mar	2 20	36 37 44
Ville, La, Dahnt. France's Norsolor plans polystyrene plant. N Apt 13 Ap	s for the con- waste products N te for hydrogen	Apr	20	36 37
Korea: new Ps producer in South Mar 3-20 June 29 76 June 29 776 June 29 776 June 15 21 June 15 21 June 15 21 June 15 22 June 15 23 June 15 24 June 15 June 15 June 16 June 17 June 29 June 20 June 29 June 29 June 29 June 29 June 29 June 20 June 29 June 20 June 20 June 29 June 20	s for the con- waste products N te for hydrogen	Apr	20	36 37
Korea: new Ps producer in South Mar 3-20 June 29 76 June 29 776 June 29 776 June 15 21 June 15 21 June 15 21 June 15 22 June 15 23 June 15 24 June 15 June 15 June 16 June 17 June 29 June 20 June 29 June 29 June 29 June 29 June 29 June 20 June 29 June 20 June 20 June 29 June 20	vaste products	Apr	20	37
Korea: new Ps producer in South Mar 3-20 June 29 76 June 29 776 June 29 776 June 15 21 June 15 21 June 15 21 June 15 22 June 15 23 June 15 24 June 15 June 15 June 16 June 17 June 29 June 20 June 29 June 29 June 29 June 29 June 29 June 20 June 29 June 20 June 20 June 29 June 20	te for hydrogen			37
Polysar plans PS expansion at Decatur, Ala, plant Ala,	te for hydrogen			44
Ala, plant Polysar will increase its polystyrene capacity No. Polysar will increase its polystyrene capacity No. Polyser will increase its polystyrene unit at Al-Jubell is up and running No. No. Polystechnic Institute — Altered polymer rotates itight No. Polystechnic University — Polymer research keep up? (table) . Delymer research keep up? (table) . D		Jan	27	44
Capicity Prices N Mar 23-32. N SABIC'S polystyrene unit at Al-Jubali is up and running. N Polytechnic Institute — Altered polymer research centers: Can U.S. polymer research keep up? (table). Polytercan Can U.S. polymer research keep up? (table). Polytercan Can U.S. polymer research keep up? (table). Jan 6-13 Jan 20 Jan 6-13 June 29 Propans Linde and BASF's propane-dehydrogenation: Propylene dehydrogenation: Propylene deh	Q			
Prices N Mar 23-32. June 1 26 SABIC'S polystyrene unit at Al-Jubali is Mar 30 SABIC'S polystyrene unit at Al-Jubali is Mar 30 Syptechnic Institute — Attered polymer rotates light — Object centers: Can U.S. polymer research cen	Q			
up and running N Polytechnic Institute — Attered polymer Polytechnic Institute — Attered polymer rotates light — Attered polymer research centers: Can U.S. polymer research centers: Can	Q			
Polyterchnic Institute — Attered polymer research centers: Can U.S. polymer research keep up? (table). — Dolyter fathore Toughs if out: Du Port wins round in light against alleged PTFE dumpring (table). — Jan 8-13 Jan 20 Polyterathane Blood vessels of copolyturethane: Small	Q			
Propase Linde and BASF's propane-dehydro- centers: Can U.S. polymer research centers: Can U.S. polymer centers: Can U	-			
centers: Can U.S. polymer research keep up? (table). — Jan 6-13 52 Linde and BASE's propane-dehydrogenetic process — N Polytertafluoroethylene — Teflon toughs if out: Du Pont wins round in light against alleged PTFc dumping (table). — Jan 20 16 Jan 20 16 Varieth Polyterthane Blood vessels of copolyurethane: Small Polymer (above seeks) of copolyurethane: Small Propylene Propylene				
Reep up? (table). No. June 22 31 stitute for caustic sods	nossible sub.			
ri dui: Du Pont wins round in highi against alleged PTFE dumping (table)	N	May	4	17
Polyurathane Blood vessels of copolyurathane: Small Propylene				
Polyurethane Blood vessels of copolyurethane: Small Propylene				
conthetic blend consels enter home				
	R			
trials N Apr 13 34 Clefins outlook N Jan 20 59				
PSC conference: Pumping up structural Propulate high on a RP hope	001			
(tables)	ar: SUI spinori	June	8	9
Polyvinyl Butyral snem chemical — ammonia, propyrene, growth of irradiation		Jan :	27	15
of Petrochemicals: The Rise of an				
Du Pont's Butacite sheets protect stained Conrail gets low grader	on handling			
glass windows		Feb	18	6
Behadawi Chlorida Arco Chemical buys into Laiwan propy-	il rate cases. N		17	66
	second kaolin	Apr	20	16
Heat-resistant PVC alloys aim for the stance (chart & table)	geN	Feb	24	40
for PVC in computers? Inn 6-13 14 deadline	stiff rail safety	June :	22	40
Oxy's board ok: /s PVC and HDPE ex-			-	
parision pains	N	Apr	6	42
resin plant	queeze rayon			
Thailand joint venture	tovification at	May	18	62
market	actor systems			
Vista and Compression Polymers form ment between Genentsch and Kabi- joint venture, VycomN Feb 10 5 GenN May 11 17	******	Feb	3	30
West European vinvi manufacturers Japanese research center for peptides Refining				
unite	g for technical	luma	20	on
promotes PVDF in Brazil Ni June 22 16 Alcon Laboratories and Creative Bio-	emicals	June	22	20
Portugal — Petrochemicals head for the Molecules N June 8 28 Hydrogen fluoride use	in petroleum			
Poses Fraderic M president of Allied. Abbott Laboratories over two TPA catalyst for alloyation?		Feb	24	11
Signal's Engineered Materials unit patents	its: Refining a			
Allied Signal's 'new-generation leader' June 29 73 TPA: International team in TPA production N May 4 43 Solution to gasoline oc Overseas investment in		Mar	9	13
on differences Mar 16 77	N	Apr	27	35
Potassium Permanganate — EC imposes antidumping duty on Chinese imports . N Feb 17 59 A call for commitment to 'Responsible ethylene (table)	ck source of	May	11	16
Care'. Robert D. Kennedy — Other Spain may restructure re	finersW	Mar	23	15
Preveders views	n LIS polymer			
from Atochem N June 22 16 key aims June 22 7 research keep up? (table)		Jan 6-	13	52
Superconductor: powdered ceramiclike CMA offers ways to polish the indus-				
Preservation — Freeze drying stirs new Ciba-Geigy woos support in Toms River Adhesives and sealants:	Stronger than			
interest	odhopius and	Mar	16	28
Preservatives, Food — Oxyrase's novel Laporte donates a rose window to St. R&D for tomorrow's antioxidant targets food preservation. Jan 6-13 59 Albans Cathedral to celebrate its own sealants		Mar	16	44
Price, David B., Jr., Monsanto's Specialty 100th anniversary				
Chemicals Div.'s v-p and general manager: Monsanto's Price takes chal- get a boost (charts)	- Chemistry —	Jan 6-	13	2
lenges in stride		Feb :		2
Prices — Supreme Court okays cutting off discounters	la. complex. W	Feb	10	12
Prices see specific chemical commodity paper mill M. June 22 31 Aguanatice's O. extrac	tion process:			
etc. Chile will get a major pulp plant N Mar 23 36 Getting oxygen out of a Dioxin: U.S. paper industry studies a Bayer's big U.S. investm	ent: Miles Re-	May	4	16
Printers & Printing Gloxin threat, N Mar 16 91 Search Center opened	(cnart)	Apr :	27	8
Grace acquires worldwide graphic arts division of Uniroyal Plastics W May 11 14 EPA joins the paper industry for a dioxin study N May 18 78 Biomass to adhesives partners wanted	Jrocess: R&D	June	8	28

Biotechnology: Baltimore-Washington is a new biotech hub — major centers				R&D spending: Slower R&D spending boosts for the top companies N	June	15 1	7	Rutgers University Center for Composites Manufacturing			
in the U.S	June	4	61	R&D spending: Slowing inflation crubs a jump in CPI R&D budgets (CW survey, company-by-company) (tables)	funa	22 2	100	Science and Engineering fails NSF's review	Apr	13	15
Brazil's Metal Leve, auto parts maker, will open R&D facility at Ann Arbor,	may	-	43	Respiratory disease collaborative re- search agreement between Johns	June	~ 0	16	Center for Plastics Recycling Research: The push to put plastics recycling in high open	Mar	9	28
Mich N Caltech forms a scientific consortium . N	Feb May		23	Hopkins and SmithKlineN SDI high-tech spinoffs	Feb		9	high gear. Ryan, Frank J. Air Products names a new	June		11
Chimeric monoclonais research agree- ment between Eastman Pharmaceu-				"Suicide genes": Making bugs that self-	May		19	president	00110	-	
ticals and International Genetic Engi-	Mar	9	17	Superconductor research wins funding	Feb		9				
neering . N Cholesterol: Combating cholesterol via enzyme research .	June		42	in Japan	*May		7	S			
Contract models for university-industry researchN	Mar		16	Superconductors: European cooperation in superconductor development N	Apr		9	9			
Cooperative research and technology strategies: In relentless pursuit of				Vaccines: Immunoinsights breathe new life into vaccines (table)	June			Salety			
Dow Chemical boosts funds for global	Mar	9	13	Vascular biology collaborative research effort N	June		16	Accident prevention is OECD's prime target	Feb	17	21
R&D Drug discovery research: immunology	Apr	20	15	West German researchers join a data base	Mar			Bhopel, India, case Indian court will hear Carbide's			
ventures, partnership, expands re- search. N	May	25	16	Resins				Indian court rules Carbide must pay	Jan		5
cheaper way to dry almost anything				ABS see Phastics Air Products will use Airvol trademark				interim relief		13	5
(diagram). Du Pont celebrates R&D, past and future:	Feb	3	36	for all the polyvinyl alcohol resins and warp size blends	Feb	10 1:	2	ADL study N UC will fight interim correpensation N	May		47 5
50th anniversary of nylon; a look ahead at materials research	Jan	20	8	Barrier resin makers expand their hori- zons	June	29 1	5	Care'. — Robert D. Kennedy — Other	Mari		
Electronics: Sematech, research con- sortium, gets federal funding	Jan	20	21	UnesNP	Feb	24 3	15	CMA wants to set up a code of practice	May	4	3
EniChem continues to boost plant bio- tech research	June	15	31	Forecast 1968 (charts & tables) Part I: In the U.S., bright prospects				to promote transportation safety N Conrail gets low grades on handling	June		5
EniChem puts its chips on R&D, joint ventures	Mar	9	9	overshadow uncertainties Hercules revamps its rosin and resin	Jan 6	-		hazmat (map)	Feb May		6
Federal support for university R&D is flat	Jan 6	-13	22	businesses. N Himont to build engineering resins plant	May		5	seismically safe (map)	Feb	10	22
Foamed polymers toughen up their act: Suh's process produces microcellular	Mar	20	24	based on Catalloy technologyN Phenolic resins pricesN	May	9 2	16	Explosives: Too much bang for the buck? Accidents sparked ANFO production Germany stiffens its industrial ordinance	June Feb	22	35 16
foams. French development in nonlinear optical materials. N	Mar Jan 6		34	Plastic resin sales lag in January N Polyester resin makers hit by raw material costs N	Apr		7	High-risk disease notification bill dies . W Lilly and Dow won't fight, for safety's	Apr	6	16
Gas poisoning: The search for 'naturai' antidotes for hydrogen sulfide, cyanide	Jan O	13	22	Polyterpene, terpene phenoi resin			5	sake — refuse to supply herbicides for U.S. antidrug campaign in Peru	June	22	6
poisoning. Gene-mapping: OTA weighs in on a gene-	Jan	27	44	Polyvinylidene fluoride resin: Penrwalt promotes Kynar in Brazil N	Apr		6	OSHA Ethylene oxide: New limit proposed .		10	11
mapping project N GTA's Elastol, a polymer that separates	May	4	50	RTM: Big potential for RTM in space — SAMPE show	Mar		0	New short-term oxide standard setN		13	50
oil from water, for oil-spill cleanups . GTA's PIB, cryogenically ground, as	Apr	20	53	Silicones: Under-the-hood silicones from GENP	Mar		13	Formaldehyde regs stir suits		13	11
an additive to prevent let fuel ex-	Apr	20	53	Spain's resin sector: integrationN Waterborne resins data baseNP		27 3	14	Industry tries to decipher hazard rules	Mar	23	34
plosions. Glaxo begins major research expansion in the U.K.	Apr		5	Resins see also specific resin Restoration — St. Joseph's Episcopal				Inspections: Company secrets may be less safe with OSHA N	May		40
at Univ. of Wisconsin: A slick new				Church using Butacite sheets to protect	Jan 6-	13 5	8	OSHA unveils plan to address 428 toxic air contaminants all at once:			
way to recover gold from scrap ICI Americas' unit reorganizes R&D . W	June		31 16	stained glass windows NP Riboflavin — A new route to vitamin B ₂ . NP Robotics — PtCon: Tuning analytical	Jan 6-		8	Records inspection: You can tell	June	15	16
Inks — New, versatile inks will cut elec- tronics costs — polymer thick-film				instruments to market demands	Mar		6	OSHA to go get a warrant N Pesticide Alert stirs up debate on fresh	Feb		40
Italy: All roads lead to chemicals —	Apr		18	Realizing specialties' potential (table) .	Mar	2	9	Pollution control see Air Pollution; En-	June	19	17
Japanese research center for peptides	May		22	Hosin Hercules revamps its rosin and resin				Rail safety is lax, unions charge N	Feb	24	40
and proteins research N Japan's Sumitomo completes a research	Jan		33	businesses	May 1	6 42		Railroads: Reagan will sign a stiff rail safety bill	June	22	40
center N Kenaf: A cheaper pulp for brighter U.S.	June		16	Tall oil rosin: U.S. naval stores get a boost (charts)	Feb	7 34	4	Right-to-know EPA's right-to-know net widens	Feb	17	16
Laboratories: A call for updating R&D	Feb		21	Rubber				EPA will drop 36 substances from hazards list N	Mar	2	48
Liposomal drugs come of clinical age	Mar		80	The changing shape of the rubber market — report (charts & tables)	Apr 2	0 18	В	New Jersey girds for the right-to-know law. OECD meeting on handling of hazard-	May	25	10
(table). Mobay completes R&D expansion at Pittsburgh	Feb		5	Chlorinated rubber prices N Exxon expanding ethylene-propylene	Mar	6 91	1	ous wastes: Chemicals want 'in' on OECD's Paris agenda	Feb	3	16
Pittsburgh	Feb	3	3	rubber operation at Baton Rouge N Gloves: AIDS fears boost thin gloves	June 2 Mar	2 36		Title III compliance see Law — Super- fund — Title III	1.00	3	10
(table)	Feb	24	23	Neoprene: Du Pont celebrates R&D, past and future	Jan 2		В	Risk assessment Systems Reliability International's			
Products working on DOE's SERI	Apr	12	45	Polysar will sell its latex operations to BASFN	Jan 6-1	3 49	9	software for risk analysis N Safe-T-Pallet catches chemical spills. NP	Mar 3	9	17 33
MUPPATS detector from Argonne: A sys- tem that shows small molecules in	right	10	40	Polysar (chari)	Jan 2	7 14	4	Spills GTA's Elastol, a polymer that separates			-
3D (diagram) National Science Foundation's review	May	18	48	Rubber makers' good fortune could fade in 1988 N	Jan 2	0 59	9	oil from water, for oil-spill cleanups . Storage tank safety: After the Ashland	Apr 2	20	53
of Engineering Research Centers: Four centers pass NSF's review	Apr	13	15	Shell and JSR join forces in new joint venture Deltadyne Solution Elas-				spill, more regulations?	Jan 6-	13	19
Needed: Some of that old-time literacy — Viewpoint.		16	3	Synthetic rubber use will rise 11% by	Jan 6-1			Pittsburgh spill N An oil spill may spur new storage rules	Jan 2 Feb	27	5 28
NDE: Better tests for materials' quality The ninth wave — Viewpoints Mar 30-3.	Feb	10	34	1992	Mar May 2	9 26	5	Surprises dredged up from the spill: officials investigating VOC that may			
Northwestern launches program called Tech Corporate Partners N	Mar	9	17	Russia				have been dumped illegally	Mar	9	9
The plasma-processing torch is re- kindled.	Mar	16	92	ACHEMA: A big show reflects a healthy climate.	June 1	5 6	6	lapsed tank		8	28
Polymers: Can U.S. polymer research keep up? (table)	Jan 6		52	The Soviets brought a shopping list . Contracts to Lurgi France and Litwin	June 1	5 7		safety	Feb 1	10	24
R&D spending: The CPI comes out a winner in the 1989 budget (table)	Feb		6	for oil and gas treatment units for Tenghiz field	June	8 17	7	Salaries Executive compensation: Top pay for			00
R&D spending: Chemicals lead the R&D pack in Japan.	Jan 6		8	Ethylene glycol plant will be built by Toyo Engineering and Mitsui N Hydrogen-fueled jet flight-tested N		6 55	5	top brass (charts & tables)	May 1 June		3
cal research spending N	Jan 6		64	Natural gas: Next, U.SU.S.S.R. joint ventures in natural gas? N	Apr 2			highest paid in 1986 study finds N	Jan 6-1	13	5
R&D spending: Growth in U.S. R&D spending slows, says NSF N	Feb		20	Petrochemical complex gets green light N	Mar 2			ical grads (table). West Germany: The home market loses out to the U.S. — report (chart & tables)	May 2	25	6
R&D spending: Industry will bolster U.S. R&D (chart & table)	Jan 6		7	Petrochemical complexes: two more	June			out to the U.S. — report (chart & tables) West Germany's process industries	June 1	15	22
R&D spending: Real R&D spending rises — slowly N	Apr		34	U.KU.S.S.R. engineering venture, Asetco Ltd	Apr 2			wage costs are among the world's highest (chart)	June 1	15	23
	- 400		-		-					-	

Salem Countiens Against Toxins — Du Pont plan to build chemical waste incinerator			I&I markets gain, soap goes upscale Soap & Detergents Assn. — From soap to	Jan :	20 5	Realizing specialties' potential: CMRA	Feb	17	21
at Deepwater, N.J. stirs vocal opposition Sales Asan. of the Chemical Industry —	May 1	1 14	nuts with SDA at Boca — Viewpoints I Feb 10-3, II.	Feb	17 :	meeting (table)	Mar	2	9
Telemarketing rings up more chemical	from 1	0 00	Society for the Advancement of Material		.,	monitoring system	Mar	23	16
sales: Canavan comments	June 8		and Process Engineering — International Symposium and Exhibition (33rd): Big	***		of an Industry — excerpt from Chapter 2	Jan	20	68
makers' headache (chart)	Jan 6-1:		potential for RTM in space	Mar		sam Sportstattenbau GmbH N	Mar	2	5
year N	Apr 1	3 25	bows out, but auto plastics push on	Mar	16 16	Standardization			
Maudi Arabia Al-Jubail Fertilizer protests EC decision			Society of the Plastics Industry Adhesives and sealants report (charts)	Mar	16 28	The Enterprise show links computer systems (diagram)	June	22	28
on urea N	Mar 23	3 36	Composites sail on and upward (table).	Feb		Metric system: DOD opts for the metric	Mar		102
Exports of petrochemical products pass EC ceilings	Mar 2	2 33	Plastics producers display their wares at NPE	June 2	29 6		Perdi	10	102
SABIC's polystyrene unit at Al-Jubail is up and running	Mar 30	0 29	Plastics recycling: SPI codes plastics for recycling (diagram)	Apr 2			Feb	3	30
Spirnaco receives license from Beecham to produce penicillin antibiotics in			Plastic resin sales lag in January N	Apr 2	27 35	Superconductor current-carrying capa- cities jump	May	96	16
Saudi Arabia N	June 8	8 17	Soda Ash			Starch — Creamier instant starches NP	June		59
Scotland			Rising caustic prices are good news for soda ash (chart)	Mar 3		State University of New York			
BP Chemicals plans LLDPE plant at Grangemouth	Feb 10	0 14	U.S. soda ash market rebounds N Sodium Aluminate — Liquid sodium	May		milk	Jan	20	90
Exxon will increase ethylene capacity at Mossmorran	Feb 17	7 28	aluminate joint ventureN	Feb 2	36	Now, a cooler thin-film process makes			-
Scrubbers — Bicarbonate gets the gases out of the stacks: CRS Sirrine and Indus-			Sodium Bicarbonate			superconductors that may be used in computers	Apr	27	15
trial Resources joint venture in nahcolite	Apr 13	3 58	Bicarbonate gets the gases out of the stacks: CRS Sirrine and Industrial			Storage			
technology	Apr 1	3 00	Resources joint venture in nahcolite technology	Apr 1	3 38	Ashland oil spill: After the Ashland spill, more regulations?	Jan 6	-13	19
Adhesives and sealants: Stronger than			Natrium Products: a new sodium bicar- bonate producer	June	8 36	Ashland Oil sets up a dial-a-claim for			5
ever — report (charts)	Mar 16 Mar 16					Pittsburgh spilt	Jan Feb	3	28
R&D for tomorrow's adhesives and			Sodium Chlorate Alby-Olin expansion N	Jan 6-1	3 26	Surprises dredged up from the spill: officials investigating VOC that may			
sealants New niches in aerospace and auto-	Mar 16		QueNord will increase capacity N Sodium Chlorite — Prices N		6 42	have been dumped illegally	Mar	9	9
motive markets	Mar 16		Sodium Cyanide — Du Pont expansion. W Sodium Tripolyphosphate — Ausidet shuts	Mar	9 14	lapsed tank N Earthquake hazards: Making waste sites	June	8	28
market The changing face of the industry	Mar 16 Mar 16		down plant at Crotone, Italy	May	4 14	seismically safe (map)	Feb	10	22
New technology for new markets British groups will study polymer seal	Mar 16	66	Soft Drinks — Brazil's stevia courts bottlers. Soil Conditioners — Ingene's biological	June 2	2 9	Edible coating made with carrageenan extends storage life of frozen pre-			
performance N	Mar 30	22	nematicide ClandoSan okayed for			cooked meat, poultry and fish NP Plastics move into the warehouse	Mar	4	33 46
Glue-free sealing system for plate heat exchangers	Mar 30	22	market by EPA	Mar 3	0 22	Safe-T-Pallet catches chemical spills NP Strategic Defense Initiative Organization	Mar	30	33
Seaweed — Seaweed-enriched hydro- mulchNP	Jan 6-13	58	taminated soil at production and disposal sites	May 1	1 7	From SDI, high-tech spinofts Structural Plastics Conference — Pumping	June	8	9
mulch	June 8	32		inay .		up structural foams	Apr	20	12
Semicon West — At Semicon West, the password was 'purity'	June 1		A new direction for solar energy: chem-			Styrene			
Semiconductors — Semicon West show:			ical processing and waste treatment Sandia process that converts solar energy	June 2	2 10	Arco Chemical takes an independent stance (chart & table)	Mar	30	23
the password was 'purity'	June 1	12	into chemical energy successfully field-tested in Israel	Jan 6-1	3 22	Brazilian styrene and PS venture gets a			14
L'Air Liquide and Du Pont plan separa-			Solder — Lead-free solder for water pipes N Solvents — Shell Chemical — ammonia,	Apr 1		Capacity: More styrene capacity in the	May	*	14
tions joint venture	Feb 10	5	propylene, and solvents: excerpt from			U.S but monomer is likely to stay tight in Europe N	Mar	23	32
ous separation of waste products from cell cultures N	Apr 20	37	Chapter 2 of Petrochemicals: The Rise of an Industry by Peter H. Spitz	Jan 2	0 71	Chevron considers expanding styrene capacity at St. James Parish, La N	Apr	13	25
Kalsep: new separations know-how from BP N			South Africa			Cos-Mar plans styrene expansion N Huntsman plans expansion at Baton	May	18	53
Linde's membranes: Top of the heap?	June 22		AECI capital spending plans for 1988 include chlorine capacity expansion . N	Mar	9 38	Rouge, La. N Mar 23-32. N Apr 6-42, N Polysar considers restarting styrene	May	18	53
(chart)	June 8 June 29		Contract to Lurgi for PP plant N Sterling Drug exits South Africa N	June	8 17 6 5	plant N Apr 6-42, N	May		53
Shipping			South America — Forecast 1988 (charts	remail 1		Prices N Feb 24-36,	Mar		32
Hazardous materials Conrail gets low grades on handling			& tables) Part II: Outside the U.S., strong domestic demand provides moderate		_	sales skyrocket	Feb		28
hazmat (map)	Feb 17		growth	Jan 2	7 20	raw sugar N Sulfonates — Prices N	Feb	24	16 27
 Letter Wastes seek ways across borders; 	May 18	3	cally engineered soybean plants able to tolerate Roundup herbicide	June 2	2 31	Suifur			
UN agreement on transboundary movement of hazardous waste is			Space Technology — Battelle tests polymer composites in the sky N	Apr 2		Bugs that eat sulfur	June May	8	28 43
Shoes — Bouncier athletic shoes: Con-	Feb 24	25		right. A	, ,,	cupercians process na sunta rocerory. In	may	-	45
verse's energy-returning shoe NP Silanes — Silanes for CaCO, surfaces NP	June 1 Feb 24	58 35	Cepsa has an eye on ERT's refinery and			Sulfur Dioxide C-I-L and Westcoast Transmission team			
	102 21		petrochemical complex at Huelva. N Dow plans polyethylene plant at Tarra-	June 1		up in paper chemicals N Clean Air Act revisions: stringent cuts	Feb	24	27
Crosfield Chemicals plans silica hydro-			gona N Forecast 1988 (charts & tables) Part II:	May 2	5 27	are set	Mar Feb	9	40 66
gels plant; market for silica hydrogels is beer stabilizer market N	May 4	17	Outside the U.S., strong domestic demand provides moderate growth.	Jan 2	7 20	Sulfur Dioxide see also Air Pollution; De-	1.00	11	00
Furned silica will be made continuously by Degussa	May 11	17	Integration in resins sector N	Jan 2 Mar 2	7 34	sulfurization			
Silicon Tetrachloride — Silicon tetrachloride from clay	Jan 6-13		PET consumption soers			Sulfuric Acid C-I-L and Westcoast Transmission team			
	20110-13	. 50	tured W Repsol activity N	Mar 2	0 54	up in paper chemicals N	Feb Feb	24	27
Automotive products: GE's under-the-			UCB strengthens its position in Spain N	Mar	9 38	Sunscreens - Fornblin-based products:	reu	3	21
hood silicones NP GE and UC join in a silicone venture . N	May 25		Sperialty Chemicals Amax's new unit targets specialties:			An industrial lube doubles in skin care (table)	Mar	23	33
GE and UC join in a silicone venture . N Skin-Care Products — Fomblin-based prod- ucts: An industrial lube doubles in skin			Climax Performance Materials	Mar Mar 1	9 27	Superconductor Applications Assn. — In- ternational Superconductor Applications			
care (table)	Mai 23	33	BASF seeks a specialties plant site in			Convention: A superconductor star is born	Feb	24	13
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Colgate and Henkel will split ownership of Lesieur-Cotelle N	May 18	5	U.Sbased specialty chemicals busi- nesses have changed hands recently			Bismuth-based compounds: A supercon-			
From soap to nuts with SDA at Boca — Viewpoints I Feb 10-3, It	Feb 17		(chart & table)	Apr 2 June	7 30	ductor star is born. DOE plows \$2,7 million into supercon-	Feb	24	13
Soaps and detergents more punch in the package — report (charts)	Jan 20		Exxon's Callaway Chemical's specialty chemicals plant will serve the pulp			ductivity R&D	May	11	17
Reshaping a \$10 billion industry	Jan 20 Jan 20	28	and paper industry	Mar 1	6 91	development	Apr	6	49
Phosphates tough out a shrinking			market for coupling agents N	June	1 61	funding	Feb	3	19
market The new multi-functionality boom	Jan 20 Jan 20		Gurit-Heberiein seeks control of Essex's specialties	June	8 12	"Meissner motor" — superconductors propel an electrical motor N	Jan :	27	33
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Air Products and Chemicals: Gearing Feb 10 35 Mar 30 40 Apr 27 8 May 11 17 Mar 23 16 May 25 27 June 15 37 June 1 June 22 Feb 3 Mar 9 Mar 16 5 24 June 1 21 Feb 10 5 Mar 16 28 Mar 2 20 May 18 5

Airvol trademark will be used for PVA resins and warp size blends W	Feb 10	12	Catalysts '88 report	June 2	9 20	Pact with APS for Microsponge tech- nology (table)	Mar	9	16
Biological processes: EPA and industry			conducting wire	Feb 2	4 15	Robins accepts Sanofi's bid	Jan 6	-13	9
push for new Superfund solutions Catalysts '88 report	Feb 24 June 29		Employee stock saving plan: An over- sight costs millions	Mar 3	0 5	over proposal from AHP N	Jan	20	5
Chamicale after their roles in naner.			Grace's French subsidiary acquires	Jan 6-1	3 21	AHP outbids its rivals for Robins Robins merger agreement can proceed	Jan	27	7
making (chart & table). Deferred tax reporting: Tallying the new accounting rules — FASB rules	Apr 20		UMP Chemicals			when Robins deposits \$100 million			
accounting rules — FASB rules Filters that won't shed	May 18		(table)	Apr 2	0 41	into trust fund for Dalkon Shield claimants	Mar	23	5
Gas producers permeate the membrane	Mar 30		New technology pulls the pieces to-			Dalkon claimants urged to reject a			
Gas supply agreement with Motorola:	June 15	5 37	gether (charts)	Mar	9 20	Chapter II plan	May	11	5
Turnkey gas supply from production			packagingNP	May	4 44	caustic prices are good news for soda	Mar	20	30
to point of use (chart)N	May 11 May 25		Patent suits with Du Pont settled N Poses, Frederic M., president of Engi-	Jan 6-1	3 5	American Standard — Black & Decker takeover: A burst of takeover laws	IVIGI	30	30
Hydrogen peroxide process: an electro-			neered Materials unit: Allied-Signal's 'new-generation leader'	June 2	9 73	takeover: A burst of takeover laws sparks many challenges (map)	Mar	23	29
Laboratory for production at Pace, Fia.	Jan 27		Tokyo's exchange lures U.S. chemical			American Synthetic Rubber — Rubber			
complex	Feb 10	12	UOP-designed hydrodealkylation unit	Apr	6 46	report (charts & tables)	Apr	20	18
using waste-water treatment tech-			for Nigeria on line	May 1	1 14	rubber producers in the U.S	Apr	20	23
nology without a license W Maintenance management systems:	Feb 10	12	UOP joint venture: Carbide, Allied join in catalysts	Apr 1	3 11	American Telephone & Telegraph — Petro- ferm's Bloact EC7 for cleaning circuit			
New technology pulls the pieces to-	****		Which catalyst for alkylation? Hydrogen			Sematech, electronics research con-	Jan	20	8
A space age system for little plants .	Mar 9		fluoride use in petroleum refining may be limited in L.A	Feb 2	4 11	sortium, gets federal funding	Jan	20	21
Outlook for 1968: Wyant — Pleased			Alistate Insurance — States push hard on	Mar 3	0 40	American Type Culture Collection — Freeze-dried cultures	Feb	17	43
with the industry's stability Oxygen and argon of ultra-high purity	May 11		liábility charges N Alpet — Turkey rolls out a magic carpet of			Ameripol Synpol — Rubber report (charts			
to be introduced N Oxygen for Dow	Feb 3 Jan 27		chemicals	May 1	1 21	& tables). Thermoset commodity synthetic rubber	Apr	20	18
PVA prices boosted in Canada N	May 18	53	see under name			producers in the U.S	Apr	20	23
Price increases	Jan 6-13 June 22	26 11	Aluminum Co. of America — Alcoa, Tenn. restarts primary aluminum smelting . W	Jan 6-1	3 20	Ametek — Pfizer's metals business bought	Jan	20	23
Sales and earnings: first-quarter '88 . N	Apr 27	5	Bauxite mining phaseout W	Jan 2	7 18	Amgen — How biotech stocks have fared (table)	Feb	3	8
Small lab for ceramic coatings develop- ment N	Mar 16	94	Liquid sodium aluminate joint venture . N Alcoa-Coastal Chemicals — Liquid sodium	Feb 2	4 36	Interleukin-2 patent dispute with Cetus	100	3	
Telemarketing rings up more chemical			aluminate joint venture	Feb 2	4 36	is settled	Apr	13	5
TDI perfect prepolymers NP	June 8 Jan 6-13	58	caustic soda are soaring	Apr 2	7 17	against Chugai will be considered by			
Wins control of Oxygene Liquide N Airco Gases — Acquires Selox W	Feb 17 Mar 30	59	Alusuisse Italia — Italy: All roads lead to chemicals — report	May 2	5 23	Amoco Chemical — Composites sail on	Feb	24	40
Airgas — Airgas is on a shopping spree to			chemicals — report			and upward: Xvcon hybrid resins for	Fab	10	
build a distribution network Permea distributor: Gas producers per-	Mar 30) 11	Alza — NDA for transdermal delivery of	Feb 1	0 40	bumper beams on Mazda 929 sedan Cracker shutdown puts the squeeze on	Feb	10	12
meate the membrane sector	June 15	37	fentanyl	Feb	3 19	ethylene N Ethylene debottlenecking: Not enough	Apr	13	25
Aiscondel — Energia e Industrias Ara- gonesas will take full control N	Jan 27	34	Amax back to Amax N	June	1 5	ethylene around to go around	May	4	8
Ajinomoto — Interleukin-2 patent: Cetus'			Climax Performance Materials: Amax's		9 27	Great Lakes cleanup faiters: comments	Apr		13
Fildes complains about claims — Blo- tech patent track may be too fast N	June 8	40	new unit targets specialties			from Amocc			
Akzo — Air separation joint venture with Air Products will develop membranes . N			forms Climax MetalsN Amax Specialty Metals — Acquires "sub-	Feb 1	7 5	(table)	Apr	20	41
Aramid fibers dispute: Akzo wins a round	May 18		stantial portion" of the assets of Humphrey			tabs (chart & table)	Mar	23	-7
in aramids over Du Pont Aramid fibers patent fight with Du Pont	Apr 6	14	ChemicalN Amerace — FMC buys biotech venture and	Jan 2	0 5	Amoco Fabrics and Fibers — PP yarn pro- duction to be increased at Bainbridge,			
Settled	May 18	14	renames it BioSupport Materials Ven-			Ga	Jan :	20	59
Buys Brazilian paint manufacturer, Tintas YpirangaN	Jan 20	67	Amerada Hess Shipping — U.S. Supreme	June	1 21	Amoco Performance Products — Acquisi- tion of Dartco's liquid-crystal polymer			
Catalysts '88 — report	June 29		Court to rule on controversy with Argen-			operation completed	Apr	6	5
Dimethyl ether products group bought back; reinvests in DME production N	Mar 23	36	tine government: Should U.S. courts go multinational? N American Acetyls — BP and Carbide alli-	May	4 50	fibers (charts)	Apr :	20	6
Europe lifts the barriers to an integrated			American Acetyls — BP and Carbide alli- ance will sell VAM and acetic acidN	Mar :		Molded printed circuit boards: NEPCON West	Mar	2	12
market	June 1		American Biogenetics — Hydrogen per-			Plastics producers display their wares			
be acquired	June 15	31	oxide route is enzyme-catalyzed reaction American Brands — Andrew Jergens bought	Jan 2	7 36	at the NPE: Xydar LCP resins Amoco Technology — Biotech consortium	June	29	6
sector: alliance with Air Products	June 15	37	by Kao Corp. of America N	Apr 2	7 5	sets its sights on fermentation N	Mar		16
PET expansion: Will Coca-Cola break Germany's PET barrier? (tables)	Mar 9	6	American Cyanamid — Adhesives and sealants report	Mar 1	6 28	Armway — Soaps and detergents report Anderson Development — Rubber report	Jan		28
Renames its five divisions	Mar 30	21	Agricultural Group will discontinue pro-			(charts & tablea)	Apr		18
Sales and earnings 1987 N U.K. embargo on aramid fiber Twaron	Apr 13	3 43	ducing nitric acid and ammonium nitrate at Hannibal, Mo. complex N	June	1 43	Angus Fine Chemicals — EC inquiry alters		20	28
ends N	Apr 20	5	Agricultural Research Center uses RS/		2 25	NutraSweet contracts N Applied Biosystems — How biotech stocks	Mar	2	33
Akzo Chemical DIv — Chemicals after their roles in papermaking (chart & table)	Apr 20	45	Discover: Software to experiment with Aliphatic isocyanates plant at Willow			have fared (table)	Feb	3	8
Akzo Chemie America — Oil-in-water			Island, W.Va. completed	Mar :	9 14	Applied bioTechnology — Immuncinsights breathe new life into vaccines (table)	June :	29	67
emulsifier for cosmetics and pharma- ceuticalsNP	Jan 6-13	58	fermentation N Catalysts '88 report	Mar 2		Applied DNA Systems — Oxyrase's anti-	-		-
Soaps and detergents report	Jan 20	28	Institutional investors find a new voice	June 2	9 20	oxidant: A safer, longer-lasting antioxi- dant?	Jan 6-	-13	59
merger stands rules Supreme Court . N	June 22	2 40	(table). Joint venture with Ocean Genetics to	Apr 2	0 41	Applied Plastics — Rubber report (charts	Apr		18
Alberta Pool — Canola, genetically engi- neered to tolerate Roundup herbicide.			develop algae products N	June 2	9 66	& tables) U.S. castable elastomers producers	Apr		28
will get a field trial N	May 25	16	Natural gas: Why natural gas prices have			Applied Technology — Grant to develop an improved vaccinia vaccine N	Apr :	27	16
Albright & Wilson — Oil and gas businesses are on the block	June 1	5	Pesticides report: U.S. pesticide sales	Jan 2		Appryl — PP capacity: European puzzle			
are on the block	Apr 27 Jan 6-13		reflect consolidation (table)	May Apr 2	4 28	PP tabs (chart & table)	Mar	23	7
Alby-Olin — Sodium chlorate expansion . N Alcan Aluminum — Dural ceramic-particle-			Thermoset specialty elastomers pro-			ting oxygen out of air and water	May	4	16
reinforced aluminum plant to be built N	Apr 20	51	ducers in the U.S	Apr 2	0 20	Arabian Petrochemical — SABIC's poly- styrene unit at Al-Jubail is up and run-			
Alcolac — Joint-research venture in HLM and polymers	May 11	1 15	ducers. U.S. castable elastomers producers	Apr 2		ning	Mar :	30	29
Alcon Laboratories — Ophthalmic drugs:	June 8	3 28	U.S. castable elastomers producers Sales and earnings: fourth-quarter '87 . N	Apr 20 Feb 10		Aragon Química — UCB acquires a 60% share	Mar	9	38
agreement with Creative BioMolecules . N Alexander, Ferguson and Co. — MacPher-	Julio C	20	First-quarter '88 N	Apr 2		Arcadia — Conrail gets low grades on	Eab	47	
son PLC's acquisition N	Feb 10	14	Shell goes for the catalyst gold via joint ventures (table & map)	Mar 3	0 9	hancling hazmat (map)	Feb	11	6
Alfa-Lavel Thermal — Glue-free sealing system for plate heat exchangers N	Mar 30	22	SAE show: one-part epoxy adhesives	Mar 1		brane used in ethanol plant at Decatur,	June	0	29
Al-Jubail Fertilizer — Contests EC decision	14 00	00	Disbrow comments on acid rain control			Arco Chemical — Acquires more than 80%	Julio	0	20
Allied — CFCs: How long a farewell to	Mar 23		program	June 29	9 80	of PO producer Chlunglong Petrochem- ical N	Feb	3	5
CFC production?	Apr 6	5 7	in Brazilian petrochemicalsN	Jan 6-1:	3 5	Alaskan NGL: Super Spike project would	. 30		
Conrail gets low grades on handling hazmat (map)	Feb 17	7 6	American Farm Bureau — Sorensen com- ments on animal patents.	Apr 2	0 15	ship NGL from Alaskan North Slope to Pacific Rim markets N	Mar	9	40
Allied Resin — Rubber report (charts & ables)	Apr 20		American Hoechst — Rubber report (charts)			Arco Chemical takes an independent	Mar :		
U.S. castable elastomers producers	Apr 20		& tables). U.S. thermoplastic elastomers producers	Apr 20		stance (chart & table)			23
Allied-Signal - Beizer, Alan elected presi-			American Home Products — Institutional			correction to Dec. 2, 1987 article) Arco is optimistic	Jan :	27	21
dent and chief operating officer	Apr 6	13	investors find a new voice (table)	Apr 2	41	ov io optimiono	1.90		21

European patent sought for fat substitute, esterified propoxylated glycerol N	Mar	16	94	Avco Specialty Materials — NASA con- tract for high-temperature composite				Ballarpur Industries — Du Pont is propos- ing a timely passage to India (table)	Feb	3	22
1988 grads: The welcome mat is out			6	fibers	Mar	9	14	Balsam Sportstattenbau GmbH — Astro-	1.00	9	ac.
(table). Propylene oxide expansion N	May	9 22	36	Avery International — Adhesives and sealants report	Mar		28	turf business to be bought from Mon- santoN	Mar	2	5
Styrene capacity increased	Mar	23	32	Uniroyal Chemical is up for sale N Avon Products — Allergy tests: Johns	Feb	3	5	santo N Bangladesh Chemical Industries Corp. — DSM's Stamicarbon will establish a			
capacity increase at Channelview,	Apr	6	42	Hookins working to develop in vitro	Ann	12	24	training center in Bangladesh N	June	1	25
Tex. N Styrene prices N Thermoplastic elastomers project with	Feb		36	allergy tests	Apr	13	34	Banyu Pharmaceutical — Hepatitis B vaccine imports expected to be ap-			
Thermoplastic elastomers project with EniChem — Italian report	May	25	23	industry	Apr May	6	46 17	proved N Barclays de Zoete Wedd — Price com-	Mar	9	17
Arco Chemical Europe PO/TBA plent				Raw material costs squeeze rayon					Mar	2	14
beats a deadline	June	8	16	makers (chart)	May Apr	18	62 42	Barnes-Hind — Liposomal drugs come of clinical age (table)	Feb	17	24
- report	Apr May		20	Axel Johnson Chemicals — Dinol to be acquired by Sandoz				clinical age (table)			-
Molecular computer graphics	may	25	10	acquired by deridaz	Mar	30	29	membrane permeation	Mar	16	94
motor" — superconductors propel an electrical motor N	Jan	27	33					bolster U.S. R&D (chart & table) Battelle Memorial Institute — Brazilian	Jan 6	3-13	7
electrical motor N MUPPATS detector: A system that shows								auto parts maker seeks a U.S. R&D			
small molecules in 3D (diagram) Portable spectrometer that identifies	May	18	48	D				base	Feb	17	23
toxic gases in the workplace N	Apr	20	37	В				to strip paints	May	11	17
Argonne/University of Chicago Develop- ment Corp. — Portable spectrometer								collapsed tank	June	8	28
that identifies toxic gases in the work- place	Apr	20	37	BASF — BASF talks strategy — and 1987 results.	Apr	20	5	Tests polymer composites in the sky N Battelle Pacific Northwest Laboratories —	Apr	27	16
Aristech — Computers in the CPI — report	Apr	6	20	results N Child-care programs: How BASF cares				Biomass gasification process licensed by Onsite * Ofsite N			
Deferred tax reporting: Tallying the new accounting rules — FASB rules	May	18	44	Coatings & Inks Div. acquires Widger	June	15	29	In situ vitrification process: EPA and	Apr	20	37
Employee stock ownership plan formed N	May	4	5	Chemical's phosphate and surface	Apr	20	16	industry push for new Superfund solutions	Feb	24	28
Mobil completes purchase of olefins				treatment technology W Contract for Sasol's PP plant N	June		17	Vitrification of hazargous wastes N	June	29	66
plant N Polypropylene prices N	Jan 6 June		5 36	EPA fines BASF \$1.3 million for violating PMN provisions	Apr	27	5	Bausch & Lomb — Contact lenses: com- pany has no plans to move into the dis-			
Polypropylene prices N Sales and earnings: Fourth-quarter '87 . N Arizona Chemical Tall oil fathy acid	Jan	27	5	Investment plans	Jan 6-	13	49	posable lens market	Mar	23	14
Arizona Chemical — Tall oil fatty acid prices N	Apr	6	42	Joint venture for MDI in Korea N MMA plant uses process based on	Apr	13	43	mercury-contaminated soil at produc-			
U.S. naval stores get a boost (charts) Arjomari — Société Française Exxon Chem-	Feb	17	34	ethylene feedstock: BASF start gives MMA makers pause (table)	Jan	20	64	tion and disposal sites	May	11	7
ical acquires fiber-reinforced plastics				Netherlands commission threatens to	Jan	20	04	mont for U.S. distribution of anticancer			
business	Apr	6	5	sue BASF over pollution in Rhine River	Apr	27	29	drug	Mar	9	14
on uniferences	Mar	16	77	Pesticides report: Non-U.S. companies' worldwide pesticide sales (table)				(chart). The burning issue of waste in Europe		27	19
Pirelli likes its second choice	Apr	27	13	Plastics producers display their wares	May		26	Computers in the CPI — report	June	6	20
Arnco — Rubber report (charts & tables) . U.S. castable elastomers producers	Apr	20	18 28	at the NPE	June	29	6	Nimodipine, a new drug for stroke pre- vention	Feb	3	40
Arval — Fomblin-based products (table) .	Mar	23	33	report Dec. 16, 1987) - Letter	Feb		2	Pesticides report: Non-U.S. companies'			
Asahi Chemical — Dexter Plastics' tech- nology and patents to be licensed N	May	25	5	Polysar's latex operations to be bought. N BASF seeks a route to rubber via	Jan 6-	13	49	Sales and earnings 1987 N	May	13	26 43
Optical disc plant	Jan		33	Propane-dehydrogenation process N	Jan :		14	West Germany: The home market loses out to the U.S. — report (chart & tables)			22
Asahi Glass Co. — Indonesian chemical				Raw material costs squeeze rayon	June :			Baver USA — Baver's big U.S. investment:	June		
complex plans progress N Optical perfluoropolymers NP	Jan May		67	makers (chart) SAE show: TF-Foam, thermoformable	May	18	62	Miles Research Center opened (chart) Baylor Medical Foundation — Tissue holog-	Apr	27	8
Sales and earnings 1987 N P.T.Asahimas Subentra Chemical — Indo-	Apr	27	29	polyurethane foam	Mar	16	18	raphy: SDI apinoff	June	8	9
nesian chemical complex plans				Soil antiredeposition chemical for use in laundry detergentsNP	June	1	59	Beaulieu — PP capacity: A European puz- zie — PP tabs (chart & table)	Mar	23	7
progress N Asarco — LeaRonal acquisition talks	Jan	20	67	Specialties plant site sought in the heart-	May	4	5	Beazer Pic — Takeover bid for Koppers N Koppers rejects offer and files suit N	Mar Mar	9	5
terminated	May	11	5	land				finazer makes a second, sweetened bid			
Asetco Ltd. — U.KU.S.S.R. engineering venture N	Apr	27	29	venture N TDI capacity at Geismar, La. upped . W	May Jan	20	14	for Koppers N Koppers battles to repel a suitor	Mar	6	13
venture	Mar		28	Urethane business of Flexible Products to be bought	June		16	A hold on BNS's Koppers bid	Apr	13	16
Buys Ceramco, coatings maker W	Jan	27	18	West Germany: The home market loses out to the U.S. — report (chart & tables)				BNS takeover fight dents Koppers' first quarter	Apr	27	5
Computers in the CPI — report	Apr	6	20	HASE Corp. — HASE talks strategy — and	June	15	22	More than 50% of Koppers's shares are tendered	May	4	5
at the NPE	June	29	6	1987 results	Apr :	20	5	A postponement of hearings on the bid			5
'purity'	June	1	12	quickens; capacity increases (table)	Mar	9	30	for Koppers N Beazer finally wins Koppers	June	8	13
Ashland Oil — Former executives awarded \$69 million in case involving bribes to				BASF Inc. — Pesticides report: U.S. pesti- cide sales reflect consolidation (table).	May	4	28	Kopper's chemicals may have a buyer . N Bechtel — Chinese fatty alcohol plant . W	June		15
foreign officials; Ashland will appeal . N	June	22	5	BASF USA — Automotive suspension				The Enterprise show links computer			
Oil spill: After the Ashland spill, more regulations?	Jan 6	-13	19	springs made of cellular polyurethane elastomer	Jan 6-	13	21	systems (diagram)	June	22	28
Dial-a-claim for Pittsburgh spill N An oil spill may spur new storage rules	Jan Feb	27	5 28	elastomer	Mar	2	25	report A suite of software to aid plant engineers	Apr Mar	6	20
Surprises dredged up from the spill:		-	20	BHRA, the Fluid Engineering Centre —		-	20	Beckers group — Valspar Paints Ltd. see	14160	_	
officials investigating VOC that may have been dumped illegally	Mar	9	9	Polymer seal performance to be studied	Mar :	30	22	under name Becton Dickinson — Anti-idiotypes — a			
Results from an autopsy of collapsed tankN	June	B	28	BJN Australian Holdings — TCI plans acquisition	Apr	13	43	second generation of monoclonals (table) Beecham Group — Eminase: competition	Feb	24	23
Aspen Technology — Computers in the CPI				BNS Inc. — Beazer Plc makes takeover				for Genentech's Activase	June	29	9
— report	Apr	6	20 35	bid for Koppers	Mar Mar 2	9	5	Saudi Arabia's Spirnaco receives license to produce penicillin antibiotics in			
Atlas Powder - Explosives: Too much			33	Beazer makes a second, sweetened			5	Saudi Arabia N Bell Communications Research — Bismuth	June	8	17
bang for the buck? (chart)	June			offer for Koppers	Mar 3	6	13	compound: A superconductor star is born	Feb :		13
CFC production?	Apr	6	7	A hold on BNS's Koppers bid Koppers's first quarter dented by BNS	Apr 1	13	16	Bell-Moré Labs — Contract freeze drying	Feb	17	43
nental Europe	June		15	takeover fightN	Apr 2	27	5	SUNY's thin-film process for supercon-		07	
Hydrogen peroxide plant in Venezuela . N Korean joint venture in hydrazine	June	22	36	More than 50% of Koppers's shares are tendered N	May	4	5	ductors	Apr :	21	15
hydrate	May	18	58	A postponement of hearings on the bid	June		5	tackle incinerator stack gases (charts & table).	May :	26	38
to be modernized N	May	25	27	for Koppers N Beazer finally wins Koppers	June	8	13	Benckiser — Italy: All roads lead to chem-			
Oxychem Canada: A French H ₂ O ₂ plant in Canada	June	1	21	BOC — Air separation joint venture with Dow	May 1	8	5	icals — report	May :	25	24
Polymers and powdersN	June	22	16	Gas producers permeate the membrane				for the continuous separation of waste	Acre	00	07
Ausidet — STPP plant at Crotone, Italy, shut down	May	4	14	sector: alliance with Dow	June 1	5	37	products from cell cultures N Berger Elastomers — Acquired by Products	Apr 1	20	37
Zeolites venture with Solvay and UCB . N Ausimont U.S.A. — Fomblin-based products:	Jan 6	-13	49	Heath Tecna Aerospace N Badger Engineers — Engineering study of	Feb	3	5	Research and Chemical W Berger Paints — ICI acquisition N	Mar :	30 13	21 43
An industrial lube doubles in skin care				Cos-Mar styrene projectN	May 1	8	53	Bernoulli Optical Systems — Optical disk			
(table)	Mar	23	33	Refinery gases: A quick source of ethy- lene: Mobil-Badger process modifica-				products to be developed with ICI Berol Kemi — Acquired by Nobel Indus-	Feb 2	24	12
fight against alleged dumping (table)	Jan	20	16	tion (table)	May 1	1	16	tries N Beta Physics — Rhône-Poulenc will acquire	Apr	6	55
Austin White Lime — Quicklime as a pos- sible substitute for caustic soda N	May	4	17	Pirelli's acquisition of Armstrong Tire.	Apr 2	27	13	PE film producer from Eastman Kodek . N	Jan 2	27	34

Betz Industrial — Mollusciolde, Clam-Trol	Cab	04	35	British Bio-technology Limited — Vaecular				Calgon — Water-treatment systems get smart: Al-based expert systems	Jan 6	-13	54
CT-1NP Betz Laboratories — Realizing specialties'	Feb			biology collaborative research study with Pfizer. N British Gas — Acquires two petrochemical	June :	29	66	Callaway Chemical — Specialty chemicals	00010		-
potential: CMRA meeting (table)	Mar	2	9	British Gas — Acquires two petrochemical plants in New Zesland purchase N	Feb :	24	27	plant to serve the pulp and paper indus- try	Mar	16	91
thin gloves. Biocine Co. — Chiron vaccine will be re-	Mar	2	16	Eritish Petroleum — BP Advanced Materials			-	Calma — A suite of software to aid plant			34
Biocine Co. — Chiron vaccine will be re-	May	18	78	and BP Detergents put under the aegis of the chemical group	Feb	10	14	engineers. Calor Gas — Joint marketing of gaseous	Mar	2	-
sponsibility of Biocine				of the chemical group	June :		31	nitrogen agreement with Permea, N	June	22	36
Blodor Holding AG — Calbiochem to be	Apr	6	20	from BP	Jan :	20	22	Cambridge Bloscience Immunolneights breathe new life into vaccines: AIDS			
acquired	Feb	3	18	Sales and earnings 1987 N BP America — Alaskan NGL: Super Spike	Mar	2	5	vaccines in research and development	June	29	67
(table)	Feb		8	project would ship NGL from Alaskan		_		(table) Delaware's corporate anti-			
Biomedic — Fomblin-based products (table) Bionetics — WestBlot: DuPont will market	Mar	23	33	North Slope to Pacific Rim markets N BP Chemicals International — Alliance	Mar	9	40	takeover law challenged	Feb	10	7
the first automated AIDS test N	Apr	27	16	with UC to sell VAM and acetic acid N	Mar	2	43	A burst of takeover laws sparks many		00	-
Bioprocess Engineering — Formed to engineer biological systems to clean up				Melco acquisition negotiations N Polyethylene capacity increases N	Feb :	10	27	Canadian Investment Capital — Explosives:	Mar	23	29
hazardous waste sites N	Feb	24	16	PE marketing agreement with Erdől-			34	Too much beng for the buck? (chart)	June	22	33
Bio-Response — Teams with Menarini for TPA production N	May	4	43	chemie	Jan :			Canadian Liquid Air — Liquid hydrogen plant starts in Quebec	Mar	23	32
Biota — Bacteria snow promise in soil	May		43	business	Feb	17	5	Carba Holding — 6% share of Liquid Air Corp, will be held	Mar	9	5
cleanup	may	-	43	loint venture, to be modernized N	May !	25.	27	Liquid Air buyout brings a lawsuit W	Mar	16	24
breathe new life into vaccines: AIDS vaccines in research and development				BP Performance Elastomers — Rubber report (charts & tables)	Apr :	20	18	Casco Nobel — Du Pont's French sub- sidiary acquires Duco auto paints			
(table)	June	29	67	U.S. thermoplastic elastomers producers	Apr	20	24	business N	May	18	58
BioTechnica International — Collaborative program with Wacker-Chemie to develop				Brockway — Owens-Illinois merger delayed by some antitrust concerns N	Mar	2	5	Nordic chemical makers adapt to an international climate — report (table)	Apr	13	18
enzymes and fine chemicals N	June		61	Glassmakers merge — legally	Mar	9	11	Catalyst Recovery Canada — Shell goes for the catalyst gold via joint ventures			
Field-testing bacteria for use in affalfa N Financing agreement with a U.S. inetitu-	Mar	23	16	Brown, John Engineers and Constructors — Asetco Ltd., U.KU.S.S.R. engineer-				(table & map)	Mar	30	9
tional investor N	Feb	10	20	ing venture	Apr	27	29	Catatytica — Catatysts '88 report Cedar Chemical — 4,4'dihydroxydiphenyl	June	29	58
Microbes for vitamin production: joint venture with Hoffmann-La Roche . N	Jan	27	33	Walfd (GROW)	Feb	10	11	sulphone will be manufactured for York-			-
Realizing specialties' potential: CMRA	Mar		9	Business Communications — Mooney comments on structural plastics	Apr :	20	12	shire Chemicals	Jan	27	18
meeting (table) BioTechnology General — Genetic route				Butcher & Singer - Drahuschak com-				cancelled N	Jan	27	48
to superoxide dismutase N Biotechnology Research and Development	May	11	17	ments on Koppers' acquisition by Beazer	June	8	13	Ceilcote — Acquired by Master Builders; Sandoz will also acquire Ceilcote sub-			
- Consortium sets its sights on fer-								sidiaries outside the U.S N	May	11	20
mentation	Mar	23	16					Wet precipitators tackle incinerator stack gases (charts & table)	May	25	36
White rot fungus to treat waste: EPA and	Cab		00	C				Celanese Canada — Sales and earnings	Feb		14
industry push for new Superfund solutions. Biotherapeutics — Anti-idiotypes: A second	Feb	24	28	•				1987 N First quarter '88 N	June		25
generation of monoclonals (table)	Feb	24	23	CdF Chimie — Agreement with Solvay on				Celanese Chemical — Hoechst Celanese Chemical Group, new name W	Jan 6	-13	20
Biotherapy Systems — Anti-idiotypes: A second generation of monoclonels (table)	Feb	24	23	feedstock supplies for Sarraibe N	Apr :	27	29	Celion Carbon Fibers — Key players vie			
Black & Decker — Delaware's corporate antitakeover law challenged	Feb	10	7	Bids for share of Coates Brothers: CdF Chimie tries for a private spot in inks	Jan :	20	15	for a base in U.S. carbon fibers (charts) SAMPE show; facilities for carbon fiber	Apr	20	6
Takeover of American Standard: A burst				Lorilleux International merger with				production	Mar	16	20
of takeover laws sparks many chal- lenges (map)	Mar	23	29	Coates Group completed N Chemicals sector reorganized and re-	Feb		50	tion	Mar	9	38
Blackstone Tire and Rubber - Ethylene				named, Norsolor N	Jan 6-		49	Celltech — Genetic engineering of cheese enzyme, rennin: licensing agreement			
glycol-based solution automatically seals tire punctures	Jan	27	18	Sales and earnings 1987; continued		13	43	with Plizer. N	Feb	17	23
Boehringer Ingelheim international — Agreement with Squibb to comarket				recovery	May	11	20	Centaur Partners — Acquisition attempt for Pennwalt may be launched N	June	22	5
their prized products	Jan	20	27	under name				Pennwalt declines to talk to an investor			
Boeing Computer Services — TOP: The Enterprise show links computer sys-				C.F.Systems — Liquefied gases as solvents: EPA and industry push for new Superfund				Center for infectious Diseases — Balows	June	29	5
tems (diagram)	June	22	28	Sciulions	Feb :	24	28	comments on Oxyrase's antioxident	Jan 6	-13	50
Bott, Beranek & Newman — Computers in the CPI — report.	Apr	6	20	CIGNA — States push hard on liability sharges. N	Mar	30	40	Centocor — Anti-idiotypes: A second generation of monoclonals (table)	Feb	24	23
Bonar Cole Plastics — Acquired by Himont	Jan		67	C-I-L — ICI offers to acquire the rest of	Mar	9	5	How biotech stocks have fared (table) . Centre National d'Etudes des Telecom-	Feb	3	8
Bonner & Moore Consulting Services —				Buyout by ICI approved	Mar		24	munications - Joint research in non-			
Compass Compass capabilities clarified — Letter	Mar		21	Marketing of hydrogen peraxide from Oxychem Canada	June	1	21	linear optical materials	Jan 6		22 18
Boots — Bactericide for process water N	Feb		19	Sales and earnings 1987 N	Feb	10	14	Cetus — Biotech patent trace may be too	-	-	10
Borden Chemical — Achiestves and remarks report	Mar	16	28	First-quarter '88 N Teams up with Westcoast Transmission	June	1	25	fast: Fildes complains about claims allowed in Ajinomoto's patent for inter-			
Formaldehyde prices N Feb 20-33,				in paper chemicals N	Feb :	24	27	leukin-2 N How biotech stocks have fared (table)	June	8	40
N Mar 16-91, N Institutional investors find a new voice	May	11	36	CIP — Kenaf Technologies Group: joint wenture. CP Chemicals — Nickel salts prices N	Feb	10	21	Interleukin-2 palant diapute with Amgen	Feb	3	8
(table). Phenolic resins prices	Apr		41 26	CP Chemicals — Nickel salts prices N Soaring metal prices are salts makers'	Apr	6	42	is settled N Polymerase chain reaction: Fewer steps	Apr	13	5
Tokyo's exchange lures U.S. chemical				headache (chart)	Jan 6-	13	24	in gene amplification with new			
Borg-Warner Chemicals — ABS resin	Apr	6	46	CPC International — Chemicals after their roles in papermaking (chart & table)	Apr :	20	45	method N Champlin Petroleum — PE makers keep a	Feb	17	23
	Mar	16	91	Penick subsidiary will be sold to Mayfair				wary eye on rising ethylene prices (charts)	Mar	16	6
Acquisition by GE: GE will buy an ABS	June	22	12	Chemical	Mar	9	14	Charles River Associates — Magnesium market growth is foreseen: Katrak at			
Borg-Warner is a major supplier (- Letter	Inn	22	2	develop an optical tape	Feb	24	12	market growth is foreseen: Katrak at AIMM&PE meeting N	Feb	20	33
- correction to Oct. 7, 1967 article) A place for Fi/C in computers?	Jan Jan 6		14	CRI Ventures — Shell goes for the catalyst gold via joint ventures (table & map)	Mar	30	9	Chase Chemical — Iroquois Brands sells "certain assets" of encapsulating and			
Plastics producers display their wares		20		CRS Sirrine — Nahcolite technology joint				tableting operations to a management	Mor	20	21
Styrene prices	Feb	24	36	bonate gets the gases out of the stecks.	Apr	13	38	Cheil Wool Textile — Polystyrene plant	- Amour		-
Trends in trucks boost plastics (chart) . Braun and LubeWebbe — Technicon Indus-	Feb	10	8	CTS Corp. — Dynamics Corp. of America case: A burst of takeover laws sparks				plannedN Chem Systems — PE makers keep a wary	Jan	20	67
trial Systems see under name				many challenges (mag)	Mar	23	29	eye on rising ethylene prices (charts)	Mar	16	6
Bridgestone — Joint tire venture with Fire- stone	Feb	24	5	CVD — Semi-ponductor grade metallo- organic chemicals and infrared optical				Chem Systems International — Styrene monomer likely to stay tight in Europe , N	Mar	72	32
Pirelli launches a bid for Firestone N	Mar		5	materials plant to be built at Weeks	Man	9	**	Chemed's Fabrille Div. — Scaps and deter-			
Firestone agrees to merge with Bridge- steme	Mar	23	5	Island, La	Mar	-	14	gents report. Chemex Pharmaceuticals — Drug applica-	Jan	20	40
Bristol-Myers — AIDS vaccine begins clinical trials. N	May		78	ethylene plant operations. Cain Chemical builds a name in basic	Apr	6	9	tions for two compounds that fight skin			-
Antibiotic license pact with SPI Pharma-				chemicals (table, map)		23	22	diseases	Feb	3	19
Aspirin can cut the risk of a first heart	June	29	13	Occidental Petroleum will acquire Cain. N How Cain Chemical will mesh with Oxy	Apr	20 27	5	nique: EPA and industry push for new		04	-
attack	Feb	3	40	Occidental states a post-Cain public				Superfund solutions. Chemical Learnen — New trucking rules.	Feb	24	28
Linde's NitroGen membrane system used in Syracuse, N.Y. pharmaceutical				offering	May Mar	2	43	emphasize safety	Feb	10	24
plant Bristol-Myers/Oncogen — Immunoinsights	June	8	29	Cal Polymers — Rubber report (charts &	Apr		18	Chemical Market Associates Inc. — Ole- fins: A bullish outlook for olefins world-			
breathe new life into vaccines: AIDS				tables) U.S. castable elastomers producers.	Apr	20	28	wideN	Jan	20	59
vaccines in research and development	June	29	67	Calebrian Chemical — Soaring metal prices are salts makers' heedache (chart)	Jan 6	13	24	Relief is in sight for EO and EG pro- thicers	June	29	76
(table)		-	-	The second secon		-	-			-	

Chemical Waste Management — Less waste may kill Florida plant plan Cheminova — Nordic chemical makers	Apr	6	61	U.S. thermoplastic elastomers pro- ducers. SAMPE show: prepreg resin suitable for	Apr		24	Consp — Rubber report (charts & tables) U.S. castable elastomers producers Connaught Laboratories — Immunoineights	Apr Apr	20 20	18 28
adapt to an international climate — report (table)	Apr	13	18	Supercomputers begin to win the CPI	Mar	16	20	breathe new life into vaccines (table) Conoco — Du Pont-Conoco merger stands	June	29	67
Chemo-Sero-Therapeutic Research Insti- tute — Production of hepatitis B vaccine				over Title III compliance: CPI managers hustle	Mar	30	35	rules Supreme CourtN Consolidated Paper — Chemicals after their	June	22	40
expected to be approved N	Mar	9	17	to meet the deadline	June	22	22	roles in papermaking (chart & table)	Apr	20	45
Chevrolet — Trends in trucks boost plastics (chart)	Feb	10	8	Toms River, N.J. plant: indicted again in N.J. over unlawful disposal of				Chlor-alkali shifts to a seller's market (chart)	Feb	24	18
Chevron Chemical — Acquires remaining 35% interest in Petrosynthese from Total				hazardous waste	Feb	24	5	Consolidated Rail Corp. — Conrail gets low grades on handling hazmat (map)	Feb		6
Chimie N Amax buys back 15.5% of its shares N	Apr		5	switched from production of dyes,				- Letter	May		3
Ethylene debottlenecking: Not enough	June		5	plastics and resins to manufacture of pharmaceuticals	Apr	6	5	Gates, former Conrait engineer involved in Jan. 1987 crash in Chase, Md.,			
ethylene around to go around	May	4	8	Ciba-Geigy woos support in Toms				pleads guilty to one count of man- slaughter N	Fish	24	40
feared: Shell Oil's Norco refinery	May	18	8	River Ciba Vision — Little comments on dis-	Apr	20	9	Consortium für Elektrochemische Industrie	-	-	
explosion. Importing ethylene to where?	Feb	3	12	posable contact lenses	Mar	23	14	Collaborative program to develop enzymes and fine chemicals	June	1	61
Gulf planned to alleviate shortage . N	June	22	36	see under name				Construction Systems Associates — Computers in the CPI — report	Apr	6	20
Institutional investors find a new voice (table)	Apr	20	41	Clayton & Dubiller — BFGoodrich's 50% stake in Uniroyal-Goodrich Tire to be				Consulting Resources Corp. — Biotech consolidation: The key play in 1968?			
Orogil, joint venture with Rhone-Poulenc, management responsibility to be				bought	Jan 6	-13	13	How biotechnology stocks have fared (table)	Fale		
assumed; Rhône-Poulenc's interest				as a super mediator	Apr	27	19	Capacity use: Up and coming (chart)	Feb		9
in Petrosynthese acquired N PPG Industries' biochemicals business	Jan	20	5	Superfund: Uncle Sam picks up the tab (chart & table)	June	8	22	Chlor-alkali shifts to a seller's market (chart)	Feb	24	18
will be acquired N Pesticides report: U.S. pesticide sales	Feb	17	5	(chart & table)	June		19	Pool sanitizers and ancillary chemicals have a record year	Apr		25
reflect consolidation (table)	May	4	28	In Europe				Shamel comments on caustic and soda			
PE makers keep a wary eye on rising ethylene prices (charts)	Mar	16	6	tures its molybdenum business N Climax Performance Materials — Amax's	Feb		5	Enamel comments on sodium bicar-	Mar	30	30
Propylene rides high on a PP boom (tables).	Apr		36	new unit targets specialties	Mar Jan	9	27	bonate market	June	8	36
Rhone-Poulenc's holdings in Orogil SA				Clough Engineering Group — Contract for Australian ethylene and VCM complex . N			-	Containers builds a bottle plant W	Mar	9	14
to be acquired	Feb	3	34	Coastal Products and Chemicals — Liquid	June		31	Continental Grains — Teams with DNAP to develop plants that make nutritional			
La. considered	Apr May		25 53	sodium aluminate joint venture N Coates Brothers — CdF Chimie bids for	Feb	24	36	olis N Continental Insurance — Insurers escape	Apr	27	16
Styrene prices N Valent U.S.A. joint venture with Sumi-	Feb	24	36	40% share; tries for a private spot in inks	Jan	20	15	paying some Superfund costs N Converse — Energy-returning shoe:	Apr	6	86
tomo N	Apr	20	54	Merger with Lorilleux International completed	Feb		59	Bouncier athletic shoesNP	June	1	58
Worldwide demand for all will increase, U.S. imports will rise	Feb	24	36	Coca-Cola — Brazil's stevia courts bottlers NutraSweet contracts altered by EC	June	22	9	Cooper Companies — Ciba-Geigy acquires contact-lens-care product businesses N	Feb	3	5
Chevron Research — Catalysts '86 report Chevron USA — Muddying citizen suits	June		48	inquiry	Mar	2	33	Liposomal drugs come of clinical age	Feb	17	24
under the Clean Water Act: Chevron				barrier? (tables)	Mar	9	6	Schering-Plough buys contact-lens-			
loses suit	Feb	10	40	Cofim — Shell takes a majority sharehold- ing	June	22	16	solution business N Coopers & Lybrand — The Enterprise show	Apr	6	5
EniChem conducts feasibility study for petrochemical complex N	June	15	31	ing N Colgate-Palmotive — Institutional investors find a new voice (table)	Apr		41	links computer systems (diagram) Coors Biotech Products — A new route to	June	22	28
China National Petrochemical — Petro-				Lesieur-Cotelle takeover under investi-	-		34	vitamin B	Jan 6	3-13	58
chemical projects are slated N China National Technical Import — Ethy-	Feb		5	gation in France	Feb	3	-	phaseout of alcohol subsidy boosts			
lene derivatives plant	Feb	17	59	ownership of Lesieur-Cotelle N Pact with APS for Microsponge tech-	May	18	5	naphtha-derived feedstock	May	25	8
tate tow plant	Feb	17	21	nology (table)	Mar Jan	9 20	16 28	report (charts & tables)	Apr	20	18
ethylene capacity (tables)	Apr	6	8	Columbian Chemicals — Carbon black				producers in the U.S	Apr	20	23
Chiron — Immunoinsights breathe new life into vaccines: AIDS vaccines in research				capacity expansion	Mar	2	43	Corning Glass Works — Genencor see imder name			
and development (table)	June	29	67	the CPI — report	Apr	6	20	International Clinical Laboratories to be acquired	Mar	16	5
non-B and viral antigens for use in				package called Pasce	Mar	2	34	Smith Kline bids for a lab testing busi-			5
blood screening test cloned; working on a vaccine	May		78	Two more petrochemical complexes for the U.S.S.R	June	8	5	Supercomputers begin to win the CPI	Mar		
Chiunglong Petrochemical — Arco buys	May	4	44	treet waste: EPA and industry push for				Cos-Mar — 'The ethylene market event'	Mar	30	35
more than 80%. N Cheyoda Corp. — Butene-1 plant for Chinese	Feb	3	5	new Superfund solutions. Companhia Alcoquimica Nacional — Brazil	Feb	24	28	everyone feared: Shell Oil's Norco re- finery explosion	May	68	8
complex N Contract for Australian ethylene and	Mar	2	33	is hungry for ethylene; phaseout of alcohol				Styrene expansion planned N	May	10	53
VCM complexN	June		31	subsidy boosts naphtha-derived feed- stock.	May	25	8	Costain Comprime Contracting — Costain and Comprime team up to win contract			
Chrysler — Auto makers join in composites Trends in trucks boost plastics (chart).	June		12	Companhia Nacional de Petroquimica — Portugal's petrochemicals head for the				Costain Petrocarbon — Teams up with	Feb	10	20
Chugai Pharmaceutical — Process patent issue concerning EPO brought by Amgen				private sector	Apr	13	43	Comprime to win contract bids N Courtaulds Chemicais — Acquires assets	Feb	10	20
will be considered by ITC N Church & Dwight — Armand capitalizes	Feb	24	40	Amex acquires a stake in Brazilian petro-	Jan 6	112	5	of Matthey Organics	Apr	27	29
on differences	Mar	16	77	Companhia Pernambucana de Borracha		-14		base in U.S. carbon fibers (charts)		20	6
Bicarbonate gets the gases out of the stacks	Apr	13	38	Sintérica — Brazil is hungry for ethylene: phaseout of alcohol subsidy boosts				PAN plant will be built in the U.S N Courtaulds North America — Raw material	Apr	13	5
Sales and earnings: fourth quarter N Sodium bicarbonate market N	Mar	2	5 36	naphtha-derived feedstock	May	25	8	costs squeeze rayon makers (chart) Cray Research — Computers in the CPI —	May	18	62
Cia Manufacturera de Papeles y Carones				sion will force Brazil to import acrylates. N	Jan 6	-13	49	report	Apr	6	20
Pulp project in Chile	Mar	23	36	Compania Espanola de Petroleo — ERT's refinery and petrochemical complex at				Supercomputers begin to win the CPI user Creative BioMolecules — Ophthalmic drugs:	Mar	30	35
Aerospace and Cooper Companies' lens-care product businessesN	Feb	3	5	Huelva sought	June	15	31	Creative BioMolecules — Ophthalmic drugs: agreement with Alcon Laboratories N	June	8	28
Brazilian investment program launohed N Cadmium and Mercadium pigment tech-	Apr	6	55	more than 1 million "nickel batteries" Compo Chemical — Pratt & Lambert ac-	May	25	9	Criterion Catalysts — Catalysts '88 — report Shell goes for the catalyst gold via joint	June		31
nology sold to SCM Chemicals W	Feb	10	12	guires Chemical Specialties Div W	June	29	13	ventures (table & map)	Mar	30	9
Diazinon benned on golf courses and sod farms. W	Apr	20	16	Composite Technology Inc. — Acquired by W.R.Grace	June	29	13	Crompton & Knowles — Merger agree- ment with Ingredient Technology pro-			
sod farms				by W.R.Grace	Feb		11	tested by International Molasses N Crop Genetics International — Corn bio-	May	18	5
vaccines: AIDS vaccines in research and development (table)	June	29	67	Compression Polymers — Joint venture				insecticide heads for the fields N	June	1	61
Liposomal drugs come of clinical age (table).	Feb	17	24	with Vista Chemical, Vycom N Comprimo — Superclaus process for sul-	Feb		5	Field-testing genetically engineered pee- ticide for corn moves ahead N	May	11	40
New Jersey girds for the right-to-know law: Barth at Chemical Industry Council				fur recovery	May	4	43	Crosfield Chemicals — Catalysts '88 report	June May	29	20 17
of New Jersey annual meeting	May		10	win contract bids N Compugraphic — Bayer's big U.S. invest-	Feb	10	20	Silica hydrogels plant planned N Crown Central — Refinery gases: A quick			
Pesticides report: Non-U.S. companies'	Feb	3	34	ment: Breakdown for the Bayer Group's				source of ethylene (table)	May		16
worldwide pesticide sales (table) U.S. pesticide sales reflect consoli-	May	4	26	1987 sales (chart). Laporte restructures and buys.	Apr	27	14	tries N Feb 17-59, Cyonus Research — Ultrasound delivery	Mar		14
dation (table)	May	4	28 17	CompuServe — Software to experiment with	Mar	2	25	of transdermal drugs N Cyprus Metals — Forming three new metals	Apr	27	16
Polyester resin prices	Apr		18	Comurhex — Fluorinated gases venture				unitsN	Mar	9	5
				with L'Air Liquide N	May	20	27				

				Dis Data and Control of the Control				Pitantian anniversa diselective their conse			
Cyprus Minerals — Calcium carbonate mine, reserves and mills sold to English				Dia Polymer — Polypropytene — Japan's strategy: Close ranks, expand (lable)	Jan 6-1		50	Plastics producers display their wares at NPE	June	29	6
China Clays	Apr		16	Dial — Soaps and detergents report U.S. Borax's household products busi-	Jen 2	10	28	PC resin will be marketed by Sumitomo Naugatuck	May		14
Politing titled flow filestate dente	- Marian			ness including mule team to be pur-	Man	2	5	PE makers keep a wary eye on rising			
				chased N Borax sells its mule team W	Mar 2	2	15	ethylene prices (charts)	Mar	15	21
D				Diamond Shamrock — Chlor-alkali price- fixing suit	Feb 1	7	8	Polypropylene glycol prices	Apr	13	25
				Diamonite Products — Tougher ceramic,	100			Prices: ethylene oxide; diethylene giycol; phenolN	Mar	16	91
DAP — Adhesives and sealants report	Mar	16	28	"transformation-toughened aluminum oxide"NP	Jan 6-1	3	58	phenol	Mar	23	32
DG IV — The burning issue of waste in Europe	June	15	19	Dibi - Fomblin-based products (table)	Mar 2		33	Propylene oxide capacity expansion . N	June		36
DSM — Fertilizer operations: DSM, Kemira will swap plants	Mar	30	16	Didier Taylor Refractories — EPA wants to give TiO ₂ a break N	Mar	2	48	Propylene rides high on a PP boom (tables).	Apr	13	36
Kemira puts negotiations on hold N	May	18	58	Digital Equipment Corp. — C-E cooperative				R&D: Dow boosts funds for global R&D	Apr	20	15
Houston, Tex. sales office set up N Investment plans	Jan 6		26 49	marketing agreement Computers in the CPI — report			35 20	Rubber report (charts & tables)	Apr	20	18
Polypropylene: new plant slated N	Juna	29	5 25	The Enterprise show links computer systems (diagram)	June 2	9	28	ducers in the U.S. Thermoset commodity synthetic	Apr	20	20
Training center in Bangladesh N DSM Hydrocarbon Sales Americas —	June			Instrument interfacing: PitCon		2	6	rubber producers in the U.S	Apr	20	23
Texas base for DSM	Jan 6	-13	26	Sematech, electronics research consor- tium, gets federal funding	Jan 2	0	21	U.S. thermoplastic elastomers pro- ducers	Apr	20	24
icals	Apr	20	54	Sitewide process optimization joint ven-	-			Sales and earnings: first-quarter '88 . N	Apr	27	5
Daelim Industry — A warning on ethylene capacity (tables)	Apr	6	8	ture: computer-integrated manufac- turing project	June 1	5	17	Shareholders hear about 'gold medal'	May	18	5
Dainippon Ink and Chemicals - New				Dinol International — Sandoz plans acquisi-	Mar 3		29	Soaps and deterdents report	Jan	20	28 16
process for PS	Jan	21	34	tion. N Diversey — Far-Best Corp. to be bought	Mar 3			SAE show: "cartridge door" announced. Styrene prices	Feb		36
owners: interviews with C. Robert	Enh	17	48	from KaiserTech N Diversified CPC International — Aerosol	Feb 2	14	5	TPE venture with Exxon N Title III compliance: CPI managers hus-	June	29	5
Powell and Thomas R. Mitchell Reichhold Chemicals see under name	Feb	17	40	output continues to soar (table)	May 1	1	35	the to most the dearth on	June	22	22
Rodic, liquid crystal joint venture	Apr	6	5	Diversitech General — Rubber report (charts & tooles)	Apr 2	0	18	Urethane intermediates: The pace quickens; capacity increases (table)	Mar	9	30
formed N U.S. management changes N	May	4	5	Thermoset commodity synthetic rubber				Dow Chemical Europe — Dow's stake in			
DIC Americas — Japan's DIC makes some U.S. management changes N	May	4	5	producers in the U.S	Apr 2	0	23	Montedison exceeds 2 % N Dow beefs up its stake in Montedison . N	Apr May		5
Damon Biotech — How biotech stocks	_			Continental Grains to develop plants		-		Dow's disclaimer only fuels Italian con-			
have fared (table)	Feb	3	8	that make nutritional oils N Doduco GmbH — Catalysts '88 report	Apr 2 June 2		16 44	Europe lifts the barriers to an integrated	May	18	12
of liquid-crystal polymer operationN	Apr	6	5	New way to make auto-exhaust cata-			31	market	June	1	52
Dataquest — Semiconductor sales, world- wide	June	1	12	lysts	June 2	2	31	Tessenderlo, Belgium N	Apr	13	43
Davison — Catalysts '88 — report	June	29	20	ether products group	Mar 2	3	36	Dow Chemical Iberica — Polyethylene plant planned at Tarragona N			27
Dean Witter Reynolds — Armen comments on Dow's stake in Montedison	May	18	12	oxygen to DowW	Jan 2		18	Dow Chemical U.S.A. — 1988 grads: The	May	25	
Armen comments on FDA's approval of				Air separation joint venture with BOC N APC conference: Pumping up structural	May 1	8	5	welcome mat is out (table)	May	25	6
aspartame for new product cate- gories N	June	15	5	foams			12	RTM: Big potential for RTM in space	Mar	16	20
Gulley comments on GAF declining protection under Delaware law N	Feb	24	5	Antifreeze prices N Auto makers join in composites: Dolin-	Apr	6	42	Dow Corning — Adhesives and sealants report	Mar	16	28
Stuits comments on Allied-Signal's Beizer	Apr	6	13	ski comments	June	1	12	Computers in the CPI — report	Apr	6	20
Degussa — Catalysts '88 — report Furned silica will be made continuously N	June May	11	20 17	Biotech consortium sets its sights on fermentation	Mar 2	3	16	Rubber report (charts & tables) Thermoset specialty elastomers pro-	Apr	20	18
Hydrogen peroxide supplier	Jan	27	36	Brazil buoys the private sector	June Jan 6-1		11 52	ducers in the U.S.		20	20
MMA: BASF start gives MMA makers pause; who cranks out MMA in				Can U.S. polymer research keep up? Capacity use: Up and coming (chart)	June 1		9	Solvent-free coatings: NEPCON West . Telemarketing rings up more chemical	Mar	2	12
Western Europe (table)	Jan Mar	20 30	64	Caustic soda prices N Feb 10-33, N Chemicals after their roles in paper-		1	43	Sales. Dow Italia — Italy: All roads lead to chemicals — report	June	8	32
Sales and earnings 1987 N West Germany: The home market loses	Mar	30	20	making (chart & table)	Apr 2	0	47	icaio _ report	May	25	23
out to the U.S. — report (chart & tables)	June	15	22	Child-care programs: Kids get a vote of confidence from the CPI	June 1	5	29	Dow Quimica de Colombia — Surfactants joint venture in Colombia N	May	4	17
Delco Scientific Resources - Biotech-				Chlor-alkali plant at Freeport, Tex. uses				Dresser Industries — Kellogg, M.W.			
nology instrumentation market: PitCon Delphi Marketing Services — Realizing	Mar	2	6	membrane-cell technology N Chlor-alkali price-fixing suit	Apr Feb 1		49 8	acquisition completed: Kellogg gets sixth parent in eight years	Jan :	20	5
specialties' potential: CMRA meeting	1400	0	0	Chlor-alkali shifts to a seller's market				parent in eight years N Wet precipitators tackle incinerator			
(table)	Mar	2	9	(chart) CFCs; Dow will drop fully halogenated	Feb 2		18	stack gases (charts & table) Drexel Burnham Lambert — Plourde com-	May	25	38
and JSR join forces N	Jan 6	-13	26	chlorofluorocarbons	May 2		16 35	ments on Air Products	Mar	2	20
Denka Chemical — Mobay completes pur- chase, renames Denka Mobay Syn-				Composites sail on and upward (table).	Feb 1	0	11	Linde's membranes — top of the			
thetics N Rubber report (charts & iables)	Jan	20	5 18	Computers in the CPI — report	Apr	6	20	heap? Drexel Chemical — Dinoseb, pesticide	June	8	29
Thermoset commodity synthetic rubber				CONTROLS	Jan 6-	3	64	registration to be cancelledN	Jan	27	48
producers in the U.S Denki Kagaku Kogyo — PET bottles will	Apr	20	23	Deferred tax reporting: Tallying the new accounting rules — FASB rules	May	8	44	Drexler Technology — Laporte Industries acquires Cyantek N Feb 17-59,	Mar	2	14
be produced	May	18	58	'The ethylene market event' everyone				Duco — Du Pont's French subsidiary ac-			
stock crash	Jan		7	feared: Shell Oil's Norco refinery explosion	May 1	8	8	casco Nobel	May	18	58
DeSoto — Soaps and detergents report Detox Industries — Microbes metabolize	Jan	20	28	Ethylene oxide prices N Gas producers permeate the membrane	Mar	6	91	Dufarmex — Acquired by Rhône-Poulenc . N Duff & Phelps — Heer comments on Owens	Apr	20	54
waste: EPA and industry push for new				sector: alliance with BOC	June 1	5	37	Illinois-Brockway merger	Mar	9	11
Superfund solutions Deutsche Texaco — Texaco sells its West	Feb	24	28	Generon membrane: Linde's membranes — top of the heap?	June	8	29	Kleinaitis comments on Desert Partners tender offer	Jan :	27	7
German subsidiary to RWE (table)	June	15	10	Glycerine prices N		3	27	Dunai Koolaiipari Vallalat — Hungarian			
DeWitt & Co. — Armstrong comments on effects of Shell Oil's Norco explosion				Glycerine: synthetic glycerine sold N Great Lakes cleanup falters: comments	Apr 2		51	polystyrene joint venture N DunaMont — Hungarian polystyrene joint	June	29	15
on ethylene market	May	18	8	from Dow. Herbicides for U.S. antidrug campaign	Apr	13	13	venture N	June	29	15
Kihlke comments on Dow's stake in Monfedison	May	18	12	in Peru: Lilly and Dow won't fight, for				Du Pont — Acquires TFML rights for micro- electronic packaging from Honeywell	Feb	17	13
Not enough ethylene around to go around Propylene rides high on a PP boom	May	4	8	safety's sake	June 2		6 76	AIDS test, WesBlot: Du Pont will market the first automated AIDS test N	Apr	27	16
(tables)	Apr	13	36	Hydrogen peroxide bleaching system				Altered polymer rotates light	June	8	10
A warning on ethylene capacity: DeWitt 1998 Petrochemical Review (tables)	Apr	6	8	for mechanical pulps N License to Omni Tech for ion exchange	Mar	9	17	Annual meeting: capital spending plans N Aramid fibers dispute: Akzo wins a round	May	4	5
Dexter Corp. — Adhesives and sealants				polymers that scavenge low metal		^	**	in aramids over Du Pont	Apr	6	14
report Auto alloys bond with paint NP	Mar		28 58	levels	Apr	6	49	Du Pont and Akzo settle a patent fight Auto coatings venture with ICI	May Mar	18	14
Capacity use: Up and coming (chart)	June		9	operating rates to be increased N	Mar :	30	32	Auto finish (ab is 'state of the art'	Feb		14
Courtaulds-Grafil see under name Deferred tax reporting: Tallying the new				Montedison stake exceeds 2% N Montedison stake beefed up N	May		5	Better things for better living through chemistry — Viewpoint	Jan 6-	13	2
accounting rules — FASB rules Dexter Plastics to license technology	May	18	44	Dow's disclaimer only fuels Italian	May		12	Letters Bismuth-based material: A supercon-	Feb		2
and patents to Asahi Chemical's				Pesticides: U.S. pesticide sales reflect				ductor star is born	Feb	24	13
Specialty Plastics Div N Realizing specialties' potential: CMRA	May	25	5	consolidation (table)	May	4	28	Butacite sheets protect stained glass windows. NP	Jan 6-		58
meeting (table)	Mar	2	9	by Peter H. Spitz (excerpt from Chap-				Cancer treatment using interleukin-2:	out o		55
Walker, K. Grahame, president and COO; Walker charts a new course at Dexter	June	8	18	ter 2) Dow Chemical — chlorine and				collaboration with Hoffmann- La Roche	Feb	3	19
Dey Laboratories — Lipha Group acquires	Feb	3	34	bromine chemistry lead to the Gulf	Jan :	20	74	Chemicals after their roles in paper-	Apr		45
companyN	1.00	3	54	Coast	sail i			making (chart & table)	right	20	40

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Child-care programs: Kids get a vote of confidence from the CPI	June	15	29	Dynamit Nobel of America — Adhesives and sealants report
CPC substitute Formacei-S, enground W	Apr Jan	6 6-13	7 20	Dyno Industrier — Explosives: Too much
Chlorofluorocarbons: Senators urge Du Pont to "abide" by a promise to halt CFC production.	Mar	16	18	bang for the buck? (chart). Nordic chemical makers adapt to an inter- national climate — report (table)
Chlorofluorocarbons will be phased out. N Computers in the CPI — report	Mar	30	32	100
Conoco merger stands rules Supreme	June		40	E
Court N Conrail ge:s low grades on handling hazmat (map) Delaware's corporate entitaksover law:	Feb		6	
GOTHINGLE CONTRIBUTION	Feb	10	8	EES Corp. — Free trial of electrowinning process, RETEC Jr N
Environmental groups protest plan to build chemical waste incinerator et Deepwater, N.J.	May	11	14	ERM Computer Services — Computers in the CPI — report. ERT, Inc. — Computers in the CPI — report
EPA wants to give TiO, a break N	Mar May	2	48	ETA Systems Supercomputers begin to
Formaldehyde prices	May		58	win the CPI over Eastman Chemicals PET expansion: Will Coca-Cols break Germany's PET barrier?
Gas producers permeate the membrane sector: alliance with L'Air Liquide	June	15	37	(tables) The push to put plastics recycling in high
Herpcheck: a rapid test for herpes N Hydrogen peroxide process that cuts steps and capital is a metal-catalyzed	May	4	43	Rubber report (charts & tables)
reaction (diagram)	Jan	27	36	U.S. thermoplastic elastomers pro- ducers. Eastmen Kodak — Beta Physics will be
passage to india (table)	Feb Mar	3	32	acquired by Rhône-Poulenc N Capital expenditures to rise 9 % in 1988 N
— Correction Institutional investors find a new voice (table). Italy: All roads lead to chemicals — report.	Apr	20	41	Debt issue of \$400 million N Debt offering raises \$1.1 billion N
Italy: All roads lead to chemicals — report Kevlar aramid fiber and hemp mixture used to replace centuries-old can-	May	25	23	Eastman Pharmaceuticals and Inter- national Genetic Engineering research agreement in chimeric monoclonals , N
Vases	May	25	11 15	The Enterprise show links computer sys- tems (diagram)
Lipton, Jeffrey, v-p of Polymer Products Dept.: Du Pont's Lipton Man on				Fermentation plant to produce biochemi- cals to be built at Cedar Rapids,
McAndrews, John ("Jack") P., group v-p	May	4	20	Foamed polymers toughen up their act
for Automotive Products: McAndrews steers a straight course	May	18	72	Freeze drying of Snowmax, anow-making bacteria
MMA monomer plant will be built on Texas Gulf Coast	Apr	27	35	Genencor see under name Immunology Ventures, partnership, ex- pands drug discovery research N
been rising	Jan	27	10	R&D lab systems: A call for undating
(table) Paint pact with Kansai Paint	May	25 30	6	(charts)
Patent suits with Allied-Signal settled N Pesticides: U.S. pesticide sales reflect	Jan 6	3-13	5	Thermobonding nonthermoplastic fibers. N Eberstadt — Uhl comments on unsolicited
consolidation (table)	May		28	bids in the drug industry
at NPE. The push to put plastics recycling in high gear.	June	9	6 28	Eberstadt Fleming — Greetham comments on Bayer's new drug for stroke, Nimo-
Radiosensitizers, new class of cancer drugs, licensed from Roberts Labora-	Price		20	on Bayer's new drug for stroke, Nimo- dipine. N Eco of Toronto — Degradable plastics joint venture with Polysar. N
R&D, past and future: 50th anniversary	Mar	9	17	venture with Polysar Ecogen — Blofungicide Dagger G nears approval W Biopesticide genes agreement with
of nylon; a look ahead at materials research	Jan	20	8	Biopesticide genes agreement with EniChem
maceuticals subsidiary Dufarmex . N Rubber report (charts & tables)	Apr Apr	20	54 18	fermentation N Pesticides report: Biopesticides
Thermoset specialty elastomers pro- ducers in the U.S.	Apr	20	20	Ecolab — Child-care programs: Kids get a vote of confidence from the CPI
Thermoset commodity synthetic rubber producers in the U.S	Apr	20	23	Ecosar Enterprises — Degradable plastics joint venture. N Ecova — Licenses technology for mobile
U.S. thermoplastic elastomers pro- ducers	Apr	20	24	incineration from Shirco Infrared Sys-
Separations joint venture with L'Air Liquide is planned	Feb	10	5	tems. N Egyptian Petrochemical — Chlor-alkali plant. N
SAE show: joint venture with Mitsui to distribute Du Pont's Selar RB barrier resin in Japan announced	Mar	16	16	of waste in Europe
Software to experiment with	Mar	9	14 25	
Sontara nonwoven sheet structure prod-		-		El Paso Products
ucts will be expanded by 50% at Old Hickory, Tenn. plant	May	11	15	Fi Paso Natural Gas — Fina iceas cas janse
Teflon toughs it out: company wins round	Mar	30	35	fight with El Paso
in fight against alleged PTFE dumping (table)	Jan	20	16	LBO: A second LBO for El Paso Prod-
Telemarketing rings up more chemical sales. TEST equipment: Better tests for	June	8	32	ucts
materials' quality	Feb	10	34	Styrene prices
hustle to meet the deadline	June		22	stacks
boost plastics (chart)	Feb		8	Puechai, Jacques appointed new director of chemicals
1987. N First-quarter '88. N Du Pont do Brasil — Brazilian PVB plant	Feb		14 25	Elf Aquitaine corrects the record N
Du Pont do Brasil — Brazillan PVB plant planned	May	4	8	NEPCON West
Europe lifts the barriers to an integrated	June	1	52	Emblern Europe — Joint venture will build nylon-6 film plant
Du Pont Environmental Services — Al system, 313 advisor, helps to meet	Janie		-	Empresa Nacional de Petroquímica — Portugal's petrochemicals head for the
toxic chemical inventory requirements . N Dutral — Catalysts '88 report Dynamics Corp. of America — CTS Corp.	Mar June	29	36 20	private sector
case: A burst of takeover laws sparks	Mar	22	29	take full control of Alscondel N Energy Conversion Devices — Hydride
many challenges (map)	retail	23	20	batteries charge up

16	28	Engelhard — Catalysts '88 report N Dutch catalyst plant planned N FCC catalysts, new series, to be	June 29 Jan 20	20 67
16	5	marketed N Harshaw/Filtrol acquisition planned	Mar 30	32
22	33	Jan 6-13—9, N Lead-free solder for water pines N	Feb 24 Apr 13	5 34
13	18	Reorganizes its operating units N Two businesses up for sale: microwave circuit operation and electronic acrap	Mar 30	5
		refining operation	Feb 10	5
		Acquired by Norsachem N EniChem — Biopesticide genes agree	June 29	15
29	66	ment with Ecogen N Catalysts '88 report	May 18 June 29	47 20
6	20	EniChem puts its chips on R&D, joint wentures	Mar 9	9
6	20	EVC is granted exemption from EC com-	Mar 23	36
30	35	petition rules N Europe lifts the barriers to an integrated market	June 1	52
9	6	European prices for caustic sode are soaring.	Apr 27	17
9	28	Fluoride joint venture with Japan's Mit- subishi; Miteni, new company, will be	740. 21	**
20	18	based in Milan	June 1	25
20	24	(chart) Merger with Montedison discussed N	May 25	22 14
27	34	Montedison, ENI move closer Petrochemical feasibility study for	May 4 June 1	7
27	5	Cristel	June 15	31
9	5	Plant biotechnology research contract with La Sapienza Univ	June 15	31
9	17	at maintodonia, italy laces cicioure		70
22	28	again N Caprolectern plant at Manfredonia com-	Mar 16	72
		plex is back in business N EnlChem Fibre — Nylon-6 film plant joint	Apr 20	54
9	14	EniChem Sintesa — Continuous process	May 25	27
17	44	for fluorinated aromatics, uses diazotiza-	Jan 6-13	22
**		English China Clays — Cyprus Minerals' calcium carbonate mine, reserves and		
25	16	Enron — PE makers keep a wary eye on	Apr 20	16
16	80	rising ethylene prices (charts)	Mar 16	6
3	9	cussed N Montedison, ENI move closer	May 4 June 1	12
20	37	Italy: All roads lead to chemicals — report (chart)	May 25	22
20	10	Soviet petrochemical complex nets	Mar 23	5
3	40	green light		
24	36	Enterprise Networking Event — The Enter-	Apr 13	36
17	21	prise show links computer systems (diagram)	June 22	8
18	47	Enviresponse — Terra Vac in situ vacuum extraction process: EPA and industry		
23	16	extraction process: EPA and industry push for new Superfund solutions Environmental Research Laboratory —	Feb 24	28
4	37	"Suicide genes": Making bugs that self- destruct	May 11	39
15	29	Environmental Systems Co Chemical weapons are for burning Environmental Venture Fund Ruckelshaus	Mar 16	84
24	36	backs a venture capital fund N	June 1	5
16	94	Enzo Biochem — DNA probe for detection of cytomegalovirus	May 4	43
25	27	of cytomegalovirus	Feb 3	19
15	19	Travenol for U.S. distribution of anti-		
17	5	Encapsulating cancer drugs in liposomes:	Mar 9	14
17	5	agreement with Liposome Tech- nologyN	Apr 6	49
13	50	nology	Jan 27	34
	-	with BP Chemicals N Ergenics Power Systems — Hydride bat- teries charge up	May 25	9
18	8	Essex Chemical— Gurit-Heberlein seeks control of Essex's specialties.	June 8	12
17	5 36	Essex Chemical sues an unsolicited	June 15	5
24	36	Gurit-Heberlein raises its bid for	June 22	5
10	20	Essex N Rubber report (charts & tables) U.S. castable elastomers producers	Apr 20 Apr 20	18
13	38	Stocke: How chemicals are rolling with		
16	72	the Oct. 19 punch (table). Esso Chemical Canada — Sales and earnings: first-quarter '88	Jan 27 June 8	17
6	55	ESTOR LAUGHT - PLICT WITH APS FOR MICTO-		16
2	12	sponge technology (table)		24
25	27	clinical age (table)	Feb 17 Apr 6	5
16	28	Deferred tax reporting: Tallying the new accounting rules — FASB rules	May 18	44
13	43	Importing ethylene to where?	Feb 3 Apr 20	12
27	34	thermoset specialty elastomers pro-	Apr 20	20
25	9	Sales and earnings: fourth-quarter '87 . N	Jan 27	5

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Apr Jan

European Virorp. — EC grants EVC exemption frum EC competition rules . N	Mar 2	3 36	Ferruzzi Group — Italy: All roads lead to chemicals — report (chart)	May 25	22	How biotech stocks have fared (table) . Immunoinsights breathe new life into	Feb	3	8
Expert in a Chip — Software to experiment		2 25	Montedison aims to cut debts	Mar 23	12	vaccines: AIDS vaccines in research and development (table)	June 2	29	67
with. Explosives Technologies — Explosives: Too much beng for the buck? (chart).	June 2		show: epoxy resins for RTM	Mar 16	20	Molecular modeling packages. Tissue plasminogen activator approved N TPA patents: Genentech files a suit	May 2		10
Too much bang for the buck? (chart) Explosives Rio Tinto — Cepsa seeks re- finery and petrochemical complex at			fight with El Paso lost	Apr 13	50	TPA patents: Genentech files a suit against Abbott Laboratories over two			
Huelva	June 1	15 31	plant	June 8 Apr 6	36 42	against Abbott Laboratories over two TPA patents	Mar 3	30	12
decision to finance sale of phosphate			Styrene prices	Feb 24	36	Monsanto and Searle N	Feb 1	17	5
mining equipment to Jordan N Excil — Laporte restructures and buys	Feb Mar	3 40 2 14	Findley Adhesives — Adhesives and sealants report	Mar 16	28	General Chemical — Rising caustic prices are good news for soda ash (chart)	Mar 3	30	30
Exxon Chemical — Alaskan NGL: Super Spike project would ship NGL from Alas-			(charts & tables)	Apr 20	18	Semicon West show: the password was 'purity'	June	1	12
kan North Slope to Pacific Rim markets. N Amoco cracker shutdown puts the	Mar	9 40	producers in the U.S	Apr 20	23	'purity'. General Electric — Borg-Warner Chemicals to be acquired: GE will buy ABS maker	June 2	22	12
squeeze on ethylene N Belgium PE pilot plant contract to Uhde N		3 25 9 38	Firestone Tire and Rubber — Joint venture with Bridgestone	Feb 24	5	Calma see under name Child-care programs: Kids get a vote of			
Callaway Chemical see under name	review		Pirelli launches a bid for Firestone N	Mar 16	5	confidence from the CPI	June 1	15	29
Cogeneration project for Baytown, Tex. complex	Jan 6-1	3 22	Firestone agrees to merge with Bridge- stone	Mar 23	5	Computer program analyzes waste treat- ment options	Feb 1	17	23
Court prohibits sale of some lubricants that Lubrizol alleges infringe on its			A burst of takeover laws sparks many challenges (map)	Mar 23	29	Degussa will buy chiorosilane for furned silica plant	May 1	11	17
Ethylene capacity increase N	June 2 Feb 1	9 5 7 28	Labor talks: URW members on strike N Rubber report (charts & tables)	May 25 Apr 20	18	Rubber report (charts & tables)	Apr 2	20	18
Ethylene expansion: Not enough ethylene around to go around			U.S. thermoplastic elastomers pro-	Apr 20	24	ducers in the U.S. U.S. thermoplastic elastomers pro-	Apr 2	20	20
Ethylene: imports of liquid ethylene into	May	4 0	ducers. Fisher Controls International — Sitewide	Apr 20	64	ducers	Apr 2	20	24
the U.S. Gulf planned to alleviate shortage	June 2	2 36	process optimization joint venture: com- puter-integrated manufacturing project. N	June 15	17	GE Information Systems Computers in	May 2		5
Ethylene-propylene rubber expansion at Baton Rouge N	June 2	2 36	Fisons — Europe lifts the barriers to an integrated market	June 1	52	the CPI — report. General Electric Plastics — Auto makers	Apr	6	20
Europe lifts the barriers to an integrated market	June		Fitch Investors — Sudol comments on Pirelli's acquisition of Armstrong Tire.	Apr 27	13	join in composites: Hop comments Auto plastics: alliance with Luria Bros.	June	1	12
French subsidiary acquires fiber-rein-	June	1 36	Flexible Products — Urethane business			to provide for the recovery and re-			
forced plastics business from Arjo- mari	Apr	6 5	to be bought by BASF Corp W Fluor Corp. — McCraw, Leslie Jr., president:	June 8	16	cycling of engineering thermoplastics from scrapped cars	Mar 1	16	16
Institutional investors find a new voice (table).	Apr 2	0 41	McCraw sees the fruits of his labors Fluor Daniel — Contract to rebuild Hoechst	June 15	26	GE will buy an ABS maker, Borg-Warher Chemicals	June 2	22	12
Licenses Mitsul Petrochemical's HDPE	Apr 2		Celanese's Pampa, Tex. plant N Ford Motor — Auto makers join in com-	Feb 3	27	Hop, Adgild P., manager of TMTD: GE's Hop aims for the all-plastic car	Feb 2		33
LDPE capacity boost at Meerhout, Bei-			posites	June 1	12	— Letter	May 1		3
PE makers keep a wary eye on rising	Mar	9 26	Low-volume, low-investment cars: Ford's LIV project	June 1	12	Mint-Pac Technologies see under name Plastics move into the warehouse	May	4	46
ethylene prices (charts)	Mar 1 June 2		Trends in trucks boost plastics (chart) . VOC emissions: Ford agrees to pay	Feb 10	8	Plastics producers display their wares at NPE	June 2	29	6
R&D lab systems: A call for updating (charts)	Mar 1		penalty for VOC violations N Formosa Plastics — A warning on ethylene	Mar 2	48	at NPE Polymer Processing Development Center will feature Alpha-1 equipment N	May 1		5
Rubber report (charts & tables)	Apr 2		capacity (tables)	Apr 6	8	Pumping up structural foams: SPC con-			
Thermoset commodity synthetic rub- ber producers in the U.S.	Apr 2	0 23	Fort Meade Chemical Products — Grace sells its 50% interest	June 15	21	RS/Discover customer: Software to	Apr 2		12
Supreme Court won't order a N.J. tax refund	Apr	6 66	Foxboro — The Enterprise show links com- puter systems (diagram)	June 2	28	GE Plastics RV — Joint venture with Indian	Mar	2	25
refund	June 2	9 5	Franklin International — Adhesives and sealants report	Mar 16	28	Petrochemicals — Correction		3	32
prices	June	8 36	Fraunhofer Gesellschaft — West German researchers join a data base N	Mar 30	22	General Electric Silicones — Automotive products: under-the-hood silicones NP	Mar 3		33
polymersN	Apr 2	0 54	Fraunhofer Institute — Wastewater treat-			General Mills — Delaware's corporate			
Excon Chemical Mediterranean — Acquires acrylates capacity from Italy's Sochima N	Mar		ment process	May 11	7	antitakeover law: Whitehill comments . General Motors — Auto makers join in	Feb 1	10	8
Italy: All roads lead to chemicals — report Exxon Chemicals Ltd. — Ethylene capacity	May 2	5 23	report (charis). Chemicals after their roles in paper-	Mar 16	28	Fiero bows out, but auto plastics push on	June Mar 1	1	12
boost at Mossmorran, Scotland N Eyang Chemical — Flocculant production	Feb 1	7 28	making (chart & table)	Apr 20 Jan 20	45 28	Hughes Aircraft see under name MAP: The Enterprise show links com-			
comes to Korea N	Feb 1	7 59	Freeman Chemical — Acquired by DSM Resins N	Apr 20	54	puter systems (diagram)	June 2	22	28
			Georgia Gulf intends to buy Freeman N	Jan 6-13	5	Plastics producers display their wares at the NPE	June 2	29	6
F			Freeman, Wasserman & Schneider — Schneider on the Harmonized Code: —			Trends in trucks boost plastics (chart) . General Research — Computers in the	Feb 1		8
			correction	Feb 10 Feb 10	12 33	CPI — report. General Signal — Ceilcote see under name	Арг	6	20
FMC Corp. — Bicarbonate gets the gases out of the stacks.	Apr 1	3 38	Freeport-McMoRan — Copper expansion. N Fried, Frank, Harris, Shriver & Jacobson	Feb 10	33	General Technology Applications — A polymer that separates oil from water:			
Buys Amerace's biotech venture and	740	0	 Tennessee well water contamination case: court limits Velsicol damages 	June 15	15	Elastol for oil-spill cleanucs	Apr 2	20	55
renames it BioSupport Materials Ven- ture	June	1 21	Frost & Sullivan — Adhesives and sealants			PIB as an additive to prevent jet fuel explosions.	Apr 2	20	53
California's Proposition 65: The industry and lawyers get set for Proposition 65	Feb 1	0 6	report	Mar 16	28	Genetics Institute — How biotech stocks have fared (table)	Feb	3	8
Chlor-alkali price-fixing suit: six producers settle (chart)	Feb 1	7 8	billion market potential	May 4	35	Geoenergy — Wet precipitators tackle incinerator stack gases (charts & table)	May 2	25	38
Edible coating made with carrageenan extends storage life of frozen pre-			the CPI over. Fujitsu Laboratories — Kurckawa comments	Mar 30	35	Georgia-Gulf — Chlor-alkali price-fixing suit: six producers settle (chart)	Feb 1		8
cooked meat, poultry and fish NP	Mar 3	0 33	on making LSIC	Jan 20	21	Chlor-alkali shifts to a seller's market	Feb 2		
Marine Colloids Div.: Carrageenans move from the sea to the paper mill N	June 2	2 31	Fuller, H.B. — Adhesives and sealants report	Mar 16	28	(chart) Expansion program will expand capacity			18
Pesticides report: U.S. pesticide sales reflect consolidation (table)	May	4 28	Computers in the CPI — report	Apr 6	20	at seven plants N Explosion at Plaquemine, La. plant dis-	Apr 2		51
Soaps and detergents report	Jan 2	0 28	wax assets bought from Georg Schuetz W	June 8 Jan 20	32 23	rupts phenol market N Letter of intent to buy Freeman Chemi-	Feb 1	10	33
antifreeze	June Apr 2	8 28	_			cal	Jan 6-1	13	5
Fairfield Associates — The changing shape	right &	.0 0	G			the industry will remain strong A place for PVC in computers? Heat-	May 1	11	6
of the rubber market — report (charts & tables).	Apr 2	18	GAF - A burst of takeover laws sparks			resistant PVC alloys	Jan 6-1		14
Falmouth Associates — Coupling agents: program to study the market and tech-			many challenges (map)	Mar 23	29	Sales and earnings: Fourth-quarter '87 . N First-quarter '88 N	Jan 2 Apr 2	27	5
nology	June	1 61	GAF gets a third LBO bid	Feb 24 Mar 9	5 B	Georgia Pacific — Chlor-alkali price-fixing suit: six producers settle (chart)	Feb 1		8
quisition	Feb 2	4 5	Stocks: How chemicals are rolling with the Oct. 19 punch (table).	Jan 27	6	Disposable diaper manufacturing plants that make up Convenience Products			
takeover attempt: A burst of takeover	Marin S	ia ao	Gardenia Cosmetici — Fomblin-based			Div. sold to Pope & Talbot W	June	8	16
laws sparks many challenges (map) Federchimica — Italy: All roads lead to	Mari 2		products (table). Genencor — Genetic patent for an indus-	Mar 23	33	Tokyo's exchange lures U.S. chemical listings . Geosafe Corp. — Vitrification of hazardous	Apr	6	46
chemicals — report (chart)	May 2		trial enzyme, subtilisin N Genentech — Activase TPA: Genentech	June 15	17	WARDENPO	June 2	29	66
cide sales reflect consolidation (table) . Ferro Corp. — Cataphote, bead division,	May	4 28	wins a U.S. patent	June 29	9	German Aerospace Research Establish- ment — A new direction for solar energy	June 2		10
sold to Glaverbel Group W Ferrosan — Akzo to acquire fine chemicals	Jan 2	23	Genetically engineered protein agree- ment with KabiGen to manufacture			Gesellschaft zur Beseitigung von Sonder- mull — The burning issue of waste in	ALL SE		-
division N	June 1	5 31	IGF-I N	May 11	17	Europe	June 1	5	19

Gillette — Institutional investors find a new voice (table)	Apr	20	41	Woburn, Mass. contamination case: Grace pleads guilty to a criminal				The Enterprise show links computer systems (diagram)	June	22	2
Giproplast — Asetco Ltd., U.KU.S.S.R.				charge	June	8	5	Hexcel — Rubber report (charts & tables)	Apr	20	1
engineering venture N Gist-Brocades — Soaps and detergents	Apr	27	29	Grace Japan — Shrintwrap packaging operation — W	Mar	16	24	U.S. cassable elastomers producers Hey'di — Acquired by Laporte W Feb 17-21, .	Apr	20	1
report: enzyme development	Jan	20	52	operation	Parigat	10	24	Heyman, Samuel J. — GAF gets a third	Militar	-	
idayerhel Group - Puye Ferro's bear	inn	00	20	reporting: Tallying the new accounting rules — FASB rules	*****	40		LBO bid Hill Chemical — Propylene rides high on a PP boom (tables)	Mar	9	
division, Cataphote	Jun	20	23	Sales and earnings: fourth-quarter '87 . N	May Feb	10	5	PP boom (tables)	Apr	13	
curope	Juni	e 15	19	Green Cross — Interferon production ex-				PP boom (tables). Hill Petroleum — Propylene rides high on	- qui		
Sales and earnings, first-half '88 N Glaxo Group Research Ltd. — Research	Mar	23	5	pected to be approved	Mar	9	17	a PP boom (tables). Hitton Davis — Miller comments on Clean	Apr	13	-
expansion in the U.KN	Apr	20	5	household products business including				Air compliance costs	June	29	
Glidden — Rustmaster Pro corrosion-				mule team. N Grim, W.T. — A falloff in chemical mergers in	Mar	2	*5	Himont — Engineering resins plant based			
resistant paint: Glidden's antirust secret is out.	June	e 15	10	1987N	Feb	24	5	on Catalloy technology to be built N Hoechst will license Spheripol process. N	May Jan	25	1
is out	our			Groundwater Technology - ORS Environ-		24	-	Italy: All roads lead to chemicals — report	May	25	-
Products Research & Chemical W Goodrich, BF — Adhesives and sealants	Juni	e 29	13	mental Equipment division's Catalytic	hone	- 00	00	Plastics compounding plant to be bought			
report	Mar	16	28	Scavenger destroys VOCs N Grow Group — Perrigo phermaceutical	June	20	66	from Premium Plastics	Feb	3	
Chlor-alkali price-fixing suit: six producers				Grow Group — Perrigo pharmaceutical subsidiary sold to S&J Acquisition W	Mar		21	lion to/year capacity N PP project at Antwerp postponed N	May		
settle (chart)	Feb	17	8	Perrigo sold in leveraged buyout Stocks: How chemicals are rolling with	May	11	13	European puzzie: PP tabs (chart &	Mar	16	
at LaPorte, Tex N	Mar	30	5	the Oct. 19 punch (table)	Jan	27	6	table)	Mar	23	
Geon Vinyl Div.: AIDS fears boost thin	Mar		16	Gujarat State Fertilizer — Caprolactam	Mar	9	38	Propylene rides high on a PP boom	Ame	10	
gloves BFGoodrich tires of tires: 50% stake in	MAGI	2	16	plant contract to Uhde N Gunze — PTFE dumping: Du Pont wins	Person	0	30	Purchases British plastics producer,	Apr	13	
Uniroyal-Goodrich Tire to be sold	Jan	6-13	13	round in fight against alleged dumping		00		Bonar Cole Plastics N	Jan		
Institutional investors find a new voice (table)	Anr	20	41	(table) G.H seeks control of Essex's	Jan	20	16	Sales and earnings (table)	May	11	
Know-now licensed to Petrochemical				apeciaities	June	8	12	Himont Canada — Privocorsiana canacity			
Industries for VC plant	Feb	3	18	Essex Chemical sues an unsolicited	June	15	5	expc.neion	Mar		
resistant PVC alloys	Jan	6-13	14	suitor	June		5	Polypropytene prices N Mar 9-26, N Apr	June		
Plastics move into the warehouse	May	4	46					13-25, N Hiver — Anti-idiotypes — a second gene-	June	8	
Plastics producers display their wares at the NPE: Estaloc engineering then				Essex's specialties	June	8	12	ration of monoclonals (table)	Feb	24	
moplastics	June	e 29	6	suitorN	June		5	Hochberg and Company — A \$1 billion			
Rubber report (charts & tables)	Apr	20	18	Gurit-Heberlein raises its bid for Essex , N	June		5	textile chemicals and resins market . N	Mar	9	
Thermoset specialty elastomers pro- ducers in the U.S.	Apr	20	20					Hoechst — Himont's Spheripol process to be licensed	Jan	20	
Thermoset commodity synthetic rub-								Pesticides report: U.S. pesticide sales			
ber producers in the U.S U.S. thermoplastic elastomers pro-	Apr	20	23	U				reflect consolidation (table)	May	4	
ducers	Apr	20	24	н				(chart & table)	Mar	23	
Sales and earnings: fourth quarterN	Mar	2	5					Streptase: competition for Genentech's Activase.	home	20	
Supreme Court won't order a N.J. tax refund	Apr	6	66	H-D Tech — Hydrogen peroxide route is				West Germany: The home market loses	June	28	
oodrich Chemical — Rubber report (charts				electrolytic Hagler, Bailly — More cogeneration pro-	Jan	27	36	out to the U.S. — report (chart &tables)	June	15	
& tables)	Apr	20	18	jects for the chemical industry N	Jan 6	-13	22	Hoechst Celanese — Acetaminophen pro- duction plant at Bishop, Tex. complex			
oodyear Chemical — Computers in the	right.			Haifa Chemicals — New investments N	Jan	27	34	W Mar 16-24	May	11	
CPI — report	Apr	6	20	Haldor Topece — Catalysts '88 report Hall Chemical — Soaring metal prices are	June	29	54		June	1	
Adhesives and sealants report	Mar	16	28	salts makers' headache (chart)	Jan 6	-13	24	Calbiochem to be sold to Biodor Holding AG	Feb	3	
boost thin gloves	Mar	20	16	Hamamatsu Photonics — Lasers go to work in a gene preparation machine . N	Mar	22	16	Cellulose acetate low production in-			
Labor talks resume N Natural gas: Why natural gas prices	May	25	5	Hanson Industries — 4kzo buys Tintas	(MIGH)	23	10	creased; plant in China	Feb	17	
have been rising	Jan		10	Ypirangs N Hanyang Chemical — MDI joint venture . N		20	67	hazmat (map)	Feb		
Rubber report (charts & tables)	Apr	20	18	Hardman — Rubber report (charts & tables)		13	43 18	Debottlenecks its acetal capacity N	May	11	
ber producers in the U.S	Apr	20	23	U.S. castable elastomers producers		20	28	Formaldehyde prices N Mar 16-91, N May 4-17, N	May	11	
U.S. castable elastomers producers	Apr	20	28	Harshaw/Filtrol Partnership — Engelhard plans acquisition	Jan 6-	13	9	Hoechst Celanese merger does well			
Tokyo's exchange lures U.S. chemical listings	Apr	6	46	KaiserTech to sell H/F to Engelhard . N	Feb	24	5	(chart)	Mar Jan	27	
evernment-University-Industry Research				Soaring metal prices are salts makers'	Jan 6-	12	24	Monomer prices N	June		
Roundtable — Contract models for university-industry research	Mar	99	16	headache (chart)	JETO	10	24	Pampa, Tex. plant rebuilding starts . N Pentaerythritol prices N	Feb Mar	16	
ace Distribution Services — New trucking				hard on liability charges N Haztech — Mobile thermal system: EPA	Mar	30	40	Plastics compounding unit planned at			
rules emphasize safety	Feb	10	24	and industry push for new Superfund				Shelby, N.C. plant	June :	29	
ace, W.R. — Acquires Composite Technology Inc	June	29	13	molutions	Feb	24	28	Plastics producers display their wares at the NPE.	June	29	
Acquires worldwide graphic arts division				Heath Tecna Aerospace — Acquired by	Feb	0			May		
of Uniroyal Plastics	May		14	Citss-Geigy N Heinz, H.J. — Hubinger plans fuel ethanol	Feb	3	5	SAMPE show: polyetherimide libers for	Mar	16	
Carey, Hugh L. executive v-p: Governor	May	10	2	facility at Keokuk, lows plant W	Feb	3	18	Hoechst Celanese Chemical Group - New	mai	10.	
Carey is back in the chemical business	Apr		31	Henkel — Electrofilter outs dust emis- sions N	Apr	6	49	name of Celanese Chemical	Jan 6-	13	
Coatings and sulfonates prices N Computers in the CPI — report	Feb	6	27	Heries launches a consolidation drive	Mar		9	Hoechst Colombiana — Surfactants joint venture in Colombia	May	4	
Cooperative research activity: In relent-		-	-	Lesieur-Cotelle takeover is under inves-	Ech	2	24	Hoechst Iberica - Sales and earnings			
less pursuit of acquired technology — Conference Board conference	Mar	0	12	tigation in France N Agreement with Colgate for aplitting	Feb	3	34	1967N Hoffmann-La Roche — Accutane isotreti-	Apr	6	
ertilizer plants (2) sold to Western	Mar	9	13	ownership of Lesieur-Cotelle N	May		5	noin, acne medication, found to cause			
Branch Holding	May		14	New route to fatty alcohols N	June :	29	66	birth defects: FDA weighs curbs	May	4	
ertilizer units continue to be dropped, W lorida fertilizer plants find a buyer N	Mar		15	West Germany: The home market loses out to the U.S. — report (chart & tables)	June		22	Anti-id research: A second generation of monoclonals (table)	Feb :	24	
rench subsidiary acquires UMP Chemi-				Wulff, Haraid P., new president N	Mar		5	Cancer treatment using interleukin-2:			
cals	Jan 6	-13	21	Prefcules — Bacteria to clean up son resi-	May	4	43	collaboration with Du Pont N	Feb	3	
creased N	Jan 6	-13	5	Capital spending: rosin and resin busi-				Microbes for vitamin production: joint venture with BioTechnica N	Jan :	27	
utlook for 1988: Samuels — Surprised				ransama remainipou	May	11	5	1967 sales		3	
by the economy's strength	May	11	6	Chemicals after their roles in paper- making (chart & table)		20	45	Pact with APS for Microsponge tech- nology (table)	Mar	9	
inks will cut electronics costs	Apr	27	18	Chlorinated rubber prices		16	91	Rodic, liquid crystal joint venture			
owdered ceramiclike material: New In				Computers in the CPI — report	Apr	6	20	formed	Apr	6	
superconductors A		20	27	Turk comments	Feb	10	8		Jan 6	13	
superconductorsN	Jan		28	Oriented PP film prices		3	27	Roche's Sterling bid: A sign of the			
superconductors N he push to put plastics recycling in high	Mar	9		CONTRACT CONTRACT CONTRACT US OF LOST MARKET		-0	18	times? Hoffmann-La Roche ups its Sterling	Jan 2	.cu	
superconductors. N he push to put plastics recycling in high gear The lengthening reach of legislation.	Mar	9	29	U.S. thermoplastic elastomers pro-		20	24	bid - twice N	Jan 2	27	
superconductors. No e push to put plastics recycling in high gear. The lengthening reach of legislation organizes Pacific Div. W	Mar Mar Feb	9	29 21 18	U.S. thermoplastic elastomers pro- ducers							
superconductors. N he push to put plastics recycling in high gear. The lengthening reach of legislation. Beorganizes Pacific Div. Wubber report (charts & totes) Thermoset commodity synthetic rub-	Mar Mar Feb Apr	9 17 20	21 18	U.S. thermoplastic elastomers pro- ducers Tall oil product prices	Mar	2	43	Kodak finds a good fit with Sterling	Date		
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superconductors. N The push to put pleatics recycling in high gear The lengthening reach of legislation Reorganizes Pacific Div. W Mubber report (charts & tbles) Thermoset commodity synthetic rub- ber producers in the U.S. sles and earnings: fourth-quarter '87 . N ougher ceramic, "transformation-tough- amed ässimisms oxide". [44]	Mar Mar Feb Apr	9 17 20 20 10	21 18 23	U.S. thermoplastic elastomers pro- ducers. Tall oil product prices N U.S. naval stores get a boost (charts). Hercules Aerospace — Key players vie for a base in U.S. carbon fibers (charts) Hessischer industriemuil — The burning	Mar Feb Apr	2 17 20	6	Kodak finds a good fit with Sterling Drug. Holkko — Pesticides report: Non-U.S. com- panies' worldwide pesticide sales (table) Holland Sweetner — EC inquiry afters	May	4	
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superconductors. N The push to put plastics recycling in high gaia? The lengthening reach of legislation Reorganizes Pacific Div. Rubber report (charts & tibles) Thermoset commodity synthetic rub- ber producers in the U.S. Sales and earnings fourth quarter '37. N Tougher ceramic, "transformation-tough- ment alicentum oxide" ### Washington Research Center is BBN	Mar Mar Feb Apr Apr Feb Jan 6	9 17 20 20 10 10	21 18 23 5 58	U.S. thermoplastic elastomers pro- discers: Tall oil product pricee	Mar Feb Apr	2 17 20 15	6 19	Kodak finds a good fit with Sterling Drug. Holkto — Pesticides report Non-U.S. com- panies' worldwide pesticide sales (table) Holland Sweetner — EC inquiry afters NutraSweet contracts. Not Ross & Yullah — Ciba-Geigy woos	May Mar	4 2	

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## Proposition of Control of Cont	Honeywell — Du Pont acquires TFML rights	Feb	17	13	PP capacity: European puzzle — PP tabs	Mar 22	7	Mailinckroot see under name			
	systems (diagram)	June	22	28	Polyurethenes Group: Pumping up struc-			been rising	Jan 27	10	
Marchest Product Park & Lyun wates Park Marchest Marchest Park March	Hong Kong Oxygen — Hong Kong plant			00	tural foams — SPC conference	Apr 20	12	Sales and earnings: Fourth-quarter '87 . N	Jan 27	5	
Marchester Mar	Horizon Chemical — Tate & Lyle makes	Mar	30	29	ouarters from Wilmington Del to			the Oct. 19 punch (table).	Jan 27	6	
An	an offer for Staley				West Deptford, N.J W	Jan 20	23	IMC Fertilizer Group — IMC launches IPO			
An	Tate & Lyle wine Staley N	May	25	5	Sales and earnings 1967 N	Mar 2	5	of half its interest	Feb 3	5	
Committee Comm	and detergents report	Jan	20	40		Mar 16	91	agreement of Crompton & Knowles and			
Manual Column	Huaneng International Power — Flue-gas							Ingredient Technology N	May 18	5	
Description of the control of the	Huber, J.M. Co. — Chemicals after their	Len	24	10		may 11	14	squeeze rayon makers (chart)	May 18	62	
April Processing April April Section	roles in papermeking (chart & table)	Apr	20	45	husinesses combined N	Mar 2	43	International Technologies — Making waste			
April Processing April April Section	Hubinger — Fuel ethanol facility at Keokuk, lower plant W	Feb	3	18	reorganizes R&D W	June 8	16	Microbial detoxification at the source			
August 1 1 1 1 1 1 1 1 1	Hughes Aircraft - Radar Systems Group's				Customs code taces change	Jen 6-13	16	Interox — Hydrogen peroxide plant in			
About Care	ACAPS system: For high-quality plating,	ion	20	88	Outlook for 1988: Dixon comments	May 11	6	BrazilN			
April 2 2	Hüls - West Germany: The home market	O-Gaz-r	20	00	fight against alleged dumping (table)	Jan 20	16	Interox America — Hydrogen peroxide			
Max 10 1 1 1 1 1 1 1 1		from	46	20	Renames Polyvinyl Chemicals unit as			supplier	Jan 27	35	
Column C	Hülis America - Consolidation of the chemi-	Julie	10	66	Urethane intermediates: The pace	Julie 1	21	develop an oxygen generator for home			
Complement Com	cals and plastics businesses of Nuodex				quickens; capacity increases (table)	Mar 9		respirators	May 4	16	
**May 10 15 15 15 15 15 15 15	of companies	Mar	16	5	- Correction	May 11		A burst of takeover laws sparks many			
Mode March	Humphrey Chemical — Amax acquires				ICI Electronics — Digital paper stores			challenges (map)	Mar 23	29	
musted event event event event event event event construction and the statemen Production and Experimental Business (C.P. Business Academics (C.P. Business Academics) (C.P. B	"substantial portion" of assets N	Jan	20	5				Invitron — Genentech files trade secrets	Feb 17	5	
Secretary Processors of Secretary Se	market event' everyone feared: Shell				ICI Fluoropolymers — ICI combines its			IOTHIGH Uptical disk products to be			
## Suprise prices ## Suprise p	Oil's Norco refinery explosion	May	18	8	fluoropolymer businesses N	Mar 2	43	developed with ICI	Feb 24	12	
23.23. Nap. 6-82. May 1 53 Cl. Priesminounitical model in the properties of	at Baton Rouge, La. expansion N Mar				Nippon join-paint forces	Mar 30	10	the buck/ (chart)	June 22	33	
Hardmann Prolycopuses— Prolycopuses— May 1 49 Aprillicals— And Edugors A according to table of the Computer of	23-32, N Apr 6-42, N				ICI Pharmaceuticals — Pharmaceutical			Iromer Chemie — Acquired by Morton			
Page		Peo	24	30	dex. a dissolvable implant treatment for			Iroquois Brands — Selis "certain assets"	Apr 20	10	
restion of monoconsist (tables) April 2 The Description of monoconsist (tables) April 2 April 2 The Description of monoconsist (tables) April 3 April 3 April 4 April 5 April 6 The Christopopus — Hydrogen production and state (tables) April 5 The Christopopus — Hydrogen production and state (tables) April 6 The Christopopus — Hydrogen production and state (tables) April 6 The Christopopus — Hydrogen production and state (tables) April 7 The Christopopus — Computers in the CPI ——The Christopopus — Section of Section (tables) April 7 The Indicators of Section (tables) April 7 Th	capacity will be boosted	June	1	43	prostate cancerN			of its Chase Chemical encapsulating			
hydro-Cubber — Hydrogenki, hydrogen production and sequencion or an electron production and sequencion and sequencion production and sequencion	Hybritech — Anti-idiotypes: A second gene- ration of monoclonels (table)	Eeh	24	23	Imperial Oil — Sales and earnings 1987 . N	Feb 10	14	and tableting operations to a manage-	Mar 30	21	
production and liquidiscion until all places. May 2 3 1	Hydro-Quebec — HydrogenAL, hydrogen		24	20				Ishihara Pesticides report: Non-U.S. com-			
Cabon produces part agent and in Auditor. June 1 2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	production and liquefaction unit at Bécan-	hone		21	[tables]	Mar 9	6		May 4	26	
Hydrogenyal. — Hydrogen production and ispetition at Bificamensu. (Jus	Liquid hydrogen plant starts in Quebec . N				Europe	June 15	19		Apr 20	18	
Italian	HydrogenAL — Hydrogen production and	luna		21	Indian Petrochemicals Corp. Ltd. — Du Pont			U.S. castable elastomers producers	Apr 20	28	
CF Technology — Computers in the CP	inquoraction at Decarcion, Gott	Julio			(1hDie)			irradiation	Jan 27	15	
Indivisits Chemical — Goops and deter- proport In C — File makers keep a warry yee on rising diffyine protoc (parts). Mar 16 In C — File makers keep a warry yee on rising diffyine protoc (parts). Mar 16 In C — File makers keep a warry yee on rising diffyine protoc (parts). Mar 16 In C — File makers keep a warry yee on rising diffyine protoc (parts). Mar 16 In C — File makers keep a warry yee on rising diffyine protoc (parts). Mar 16 In C — File makers keep a warry yee on rising diffyine protoc (parts). Mar 16 In C — File makers keep a warry yee on rising diffyine protoc (parts). Mar 17 In C — Contract for Australian ethylene and VCM complex. Mar 18 Apr 13 In C — Contract for Australian ethylene and VCM complex. Mar 19 In C — Ribber moor incomplex in the CPI — (apport) Apr 13 In C — Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Mar 19 In Contract for Australian ethylene and VCM complex. Ma					- Correction				Mar 22	10	
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and the properties of the prop	— recort — Computers in the CP1	Apr	6	20	Industrial Chemical Laboratories — Sold	May 11	16				
ITS Technologies — Software for Title III compliance — Second general second gene	ITC PE makers keep a wary eye on rising				Industrial Resources - Nahcolite tech-	may 11	10	JGC - Contract for Australian ethylene			
Liber — Arth-Sclickypes — a second general production in the CPI describing Kosser — Computers in the CPI describing Mary 1 and 1 an	athylene prices (charts).	Mar	16	6	nology joint venture with CRS Sirrine:			and VCM complex N	June 15	31	
Internation of protocological (habits) Feb 24 25 Integration of protocological (habits) Feb 24 26 International Petrochemical — A warning on attractions of protocological (habits) Feb 24 26 International Petrochemical — A warning on attractions of protocological (habits) Feb 24 25 International Petrochemical — A warning on attractional management of protocological (habits) Feb 24 25 International Petrochemical — A warning on attractional management of protocological (habits) Feb 24 25 International Molasses — N N Igene Biotechnology — Petrochemical — A warning on attractional management of protocological protocological protocological protocological management of protocological protocologica	compliance	Mar	9	17	stacks	Apr 13	38	Australian ethylene and VCM complex, N	June 15	31	
Identitias Kosan — Computers in the CPT Apr 6 20 Improvement Apr 7 20 Improvement Apr 8	Idec — Anti-idiotypes — a second genera-	Eah	24	23	Inga Compenhia de Desenvolvimento In-			JSR America — Deltadyne Solution Elas-			
Apr 6 8 Solvier pertochemical complex generalization of monoclopies agreement with Composition of monoclopies (bubble) informational Molasses N Indiziativa Metal — Monoclopies Materials see under Portion Power Hull Charge and Service (chart). Apr 2 3 Somatich Charge State (chart). Apr 2 4 Somatic Charge State (chart). Apr 2 4 Somatic Charge State (chart). Apr 2 5 Somatic Charge State (chart). Apr 2 7 Somatic Charge State	Idemitsu Kosan — Computers in the CPI				counts bothers.	June 22	9	Jacquind AirTech — Wet precipitators tackle	Jun 0-13	20	
Apr 6 6 8 EPA		Apr	6	20	Ingene Biotechnology — Biological nemati-			incinerator stack gases (charts & table)	May 25	38	
plies gets great light N plies great light	ethylene capacity (tables)	Apr	6	8	EPA	Mar 30	22	tion Elastomers, new joint venture with			
May 4 37 Initiativa Media — Monitedison aims to out miscale — May 5 16 May 25 16 May 2	idrocarbun — Soviet petrochemical com- plex gets green light N	Mar	23	5	Ingredient Technology — Merger agree-			Shell	Jan 6-13	26	
Indicative Metal — Montedison aims to cut debts. Include Systems — Anti-idiotypea — a sociorid generating operating the membrane systems — Gas producers permatel permatel permatel the membrane systems — Gas producers permatel permate	Igene Biotechnology — Pesticides report:				by International Molasses N	May 18	5	FREDRICA	Mar 9	7	
second generation of monoclonials (table) immunisced productives, partnership, expands drug discovery research. N Immunisced y windstress, partnership, expands drug discovery research. N Immunisced industries — Auto cost. Bull Australian Holdings to be acquired N CH-L. ICI offers to acquire the rest of CH-L. Apr 13 43 Apr 13 45 Apr 1	Biopesticides	May	4	37	Iniziativa Meta — Montedison aims to cut			Jergens, Andrew — Bought by Kao Corp.			
manufaction dung discovery research. No limperial Chemical unique discovery research. No limperial Chemical Chemical Unique discovery research. No limperial Chemical Unique discovery research. No limperial Chemical Unique discovery research. No limperial Chemical Chemical Unique discovery research. No limperial Chemical Chemical Unique discovery research. No limperial Chemical Unique discovery research. No limperial Chemical Chemical Unique discovery research. No limperial Chemical Unique discovery research. No limperial Chemical Unique discovery research. No limperial Chemical Unique discovery research unique discovery. No limperial Chemical Unique discovery research u	second generation of monoclonals (table)	Feb	24	23		Mai 23	12	Johnson Atoli Chemical Agent Disposal	Apr 21	9	
Informacial Chemical industries — Auto coalings with every Durport with Durport and the plunges deeper informations of the heap? CHL Light summarizes and the plunges deeper informations of the heap? CHL approves buyout by ICI Warring and the plunges deeper information membranes. Top of the heap? CHL approves buyout by ICI Warring and the plunges deeper information membranes are formation of CHL Compositing in the CPI — report. Apr 8 dark and a summarizes and the plunges deeper information membranes. Top of the heap? CHL approves buyout by ICI Warring and the plunges deeper information membranes. Top of the heap? CHL approves buyout by ICI Warring and the plunges deeper information membranes. Top of the heap? CHL approves buyout by ICI Warring and the plunges deeper information membranes. Top of the heap? CHL approves buyout by ICI Warring and the plunges deeper information membranes. Top of the heap? CHL approves buyout by ICI Warring and the plunges deeper information membranes. Top of the heap? CHL approves buyout by ICI Warring and the plunges deeper information membranes. Top of the heap? CHL approves buyout by ICI Warring and the plunges deeper information membranes. Top of the heap? CHL approves buyout by ICI Warring and the plunges deeper information membranes. Top of the heap? Apr 8 dark and the plunges deeper information membranes. Top of the heap? Apr 8 dark and the plunges deeper information membranes. Top of the heap? Apr 8 dark and the plunges deeper information membranes. Top of the heap? Apr 9 dark and the plunges deeper information membranes. Top of the heap? Apr 13 dark and the plunges deeper information membranes. Top of the heap. Apr 23 dark and the plunges deeper information membranes. Top of the heap. Apr 23 dark and the plunges deeper information membranes. Top of the heap. Apr 23 dark and the plunges deeper information membranes. Top of the heap. Apr 23 dark and the plunges deeper information membranes. Top of the heap. Apr		Many	26	16	producers permeate the membrane			System Chemical weapons are for			
C-L-L Chaptrovers buyout by ICi W Computers in the CPI — report Charding and Particular in the CPI — report Ch	Imperial Chemical Industries — Auto cont-	way	23	10	Linde's membranes: Top of the heap?	June 15	37	Johnson & Johnson — Contact lenses to	Mar 16	84	
C-I-L. ICI offers to acquire the rest of C-I-L approves buyout by ICI — W Computers in the CPI – report in	ings venture with Du Pont				(chart)			Throw away	Mar 23	12	
C-1-L. approves buyout by ICI — M Mar 9 5.	C-I-L: ICI offers to acquire the rest of	Apr	13	43	Linde plunges deeper into membranes. N	June 1	61		June 20	67	
Computers in the CPI — report Apr 6 20 Insulated Tachnologies — Encapsulated EVC is granted exemption from EC comparison fr	G-I-L				new life into vaccines: AIDS vaccines			Stock repurchase plans unveiled N	June 22	5	
Mar 23 Section Mar 24 Section Mar 25 Section Mar 25 Section Mar 26 Section Mar 26 Section Mar 27 Section Mar 27 Section Mar 28 Se	Computers in the CPI — report			20	in research and development (table)	June 29	67	Johnson Mattney — Catalysts '88 — report	June 29	20	
Europe littl the berriers to an integrated market. Hutchison: Restructuring into power- ful groups. Fiberrie Composite Materials use under name Formblin-based products: An industrial little deutise in skin case (table). Mar 2 34 Mar 3 35 Sematach, electronics research con- sortium, gets federal funding, sperconducting films. N Computers in the CPT or personal control of CPT over BM Almaker Research Canter develope that power of concepts of Waterloo won't do Direct views (excepted from his book Making It Happen). Feb 24 3 Mar 2 3 Mar 2 3 Mar 2 34 Mar 3 3 Sematach, electronics research con- sortium, gets federal funding, Supercomputers begin to win the CPT over BM Almaker Research Laboratory — Altered power views (excepted from his book Making It Happen). Feb 24 3 Mar 2 3 Mar 3 3 Smithkline bids for a lab testing business with submitted bids for a lab testing busine	EVC is granted exemption from EC com-				flame retardants for household paint . NP	Feb 24	35	of Matthey OrganicsN	Apr 27	29	
Integraph — A suite of software to adjust engineers. June 1 53 June 2 54 June 2 54 June 3 54 June 3 55 June 5 55 June 5 55 June 6 55 June 7 55 June 7 55 June 7 55 June 7 55 June 8 55 June 9 55 Ju	Furgoe lifts the barriers to an integrated	Mar	23	30	Intercontinental Terminals — Importing	Eah 2	10				
Fiberrie Composite Materials asse under same promotion based production: An industrial superconducting time of the composite Materials asse under same promotion based production: An industrial superconducting time of the composition of the c	market	June	1	52	Intergraph — A suite of software to aid						
Superconducting films — May 16 47 Computers in the CPT — report — Apr 6 20 Sematatch, electronics research conducting films — May 18 47 Apr 13 33 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 20 20 Interviews (excepted from his book Making if Happen) — Corners of Marking in Happen — Corners of Marking if Happen — Corners of Marking in Happen — Corners of	Hutchison: Restructuring into power-	funn	1	63	plant engineers	Mar 2	34	K			
Superconducting films — May 16 47 Computers in the CPT — report — Apr 6 20 Sematatch, electronics research conducting films — May 18 47 Apr 13 33 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 18 47 Apr 13 5 Sematatch, electronics research conducting films — May 20 20 Interviews (excepted from his book Making if Happen) — Corners of Marking in Happen — Corners of Marking if Happen — Corners of Marking in Happen — Corners of	Fiberite Composite Materials see under	90110		50							
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Giphosate patient accord with Monsanto described patient accord with Monsanto stress of the production of ICI). Sport of Former chairman of ICI). Shooting the rapids of change — Other views (excepted from his book Making If Happen). Feb 24 3 Spercomputation bids for a lab testing business which cranks out MMA in Western Europe (table). International Clinical Laboratories— Concepts of Waterloo won't do— Cincept views. Mar 2 3 May 25 3 May 26 4 Mar 30 5 Mar 30 5 Mar 13 18 Mar 30 5 Mar 30 5 Mar 13 18 Mar 30 5 Mar 4 13 18 Mar 50 5 Mar 10 6 Mar 10 6 Mar 10 7 Mar 11 7 Mabilitum Mar 10 6 Mar 10 7 Mabilitum Mar 10 7 Mar 11 7 Mabilitum Mar 10 7 Mabilitum Making If Happenin Mar 2 7 Mar 30 7 Mar		Mar	23	33		Apr o	20	agreement with Generatech to manu-			
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book Making If Happen) Concepts of Waterloon won't do Differ views Mar 2 Mar 2 May 2 May 2 May 4 May 4 May 4 May 4 May 4 May 5 May 4 May 4 May 4 May 4 May 4 May 5 May 6 May 6 May 6 May 6 May 8 May 6 May 6 May 7 May 6 May 7 May 7 May 8 May 8 May 8 May 9	of ICI): Shooting the rapids of change				polymer rotates light	June 8	10	Nordic chemical makers adapt to an			
Concepts of Waterloo won't do — Differ views	book Making It Hagger)	Feb	24	3	International Clinical Laboratories —			Kainer Aluminum & Chemical — Chlor alkali	Apr 13	18	
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MMA: BASE start gives MMA makers pause; who cranks out MMA makers pause; who cranks out MMA makers pause; who cranks out MMA in Manual								(chart)	Feb 17	8	
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Producers — SB latexes markets: How plant for Diprivan anexthetic being built. Nar 9 38 international Minerals and Chemical — Sortenation — Service of America — Buys Andrew View — Mar 2 35 femalities (County of America — Buys Andrew View — Mar 2 35 femalities (County of America — Buys Andrew View — Mar 2 35 femalities (County of America — Buys Andrew View — Mar 2 35 femalities (County of America — Buys Andrew View — Mar 2 35 femalities (County of America — Buys Andrew View — View	hally Ali roads lead to chemicale — report MMA. BASF start gives MMA makers pause; who cranks out MMA in Western Europe (table) Pesticides report: Non-U.S. companies' workbivides pessiscide saless (liabile).	Mar May Jan	25	23	nese Acquisition by SmithKline N International Data Corp. — Molecular com- puter graphics. International Genetic Engineering — Chimeric monocionals research agree	Apr 13 May 25	5	xam Group. W Harnhaw/Fitrol will be sold to Engelhard Jan 6-13—9. N Maps exit from chemicals. N Kalsap — New separations know-how from	Feb 24 Feb 24	5	
Duilt Mar 9 38 International Minerals and Chemical — Kansasi Paint — Paint pact with Du Port. Mar 30 11 Paint modelled with C-E's software, Plant View Mar 2 35 International Minerals and Chemical — Kansasi Paint — Paint pact with Du Port. Mar 30 11 Kansasi Paint — Paint pact with Paint Pain	hally All roads lead to chemicale — report MMA BASF start gives MMA makers pause; who cranks out MMA in Western Europe (labbe). Pesticides report: Non-U.S. companies' workswels restricted saws (labbe). U.S. pesticides sales seffect consoli-	Mar May Jan May	25 20 4	23 64 26	nese N Acquisition by SmithKline N International Data Corp. — Molecular computer graphics international Genetic Engineering — Chimeric monoclonals research agreement with Eastmar Pharmacoulicatis. N	Apr 13 May 25	5	xam Group. Harnhawffitrol will be sold to Engelhard Jan 6-13—9. Maga exit from chemicals. N Kalesp — New separations know-how from BP Kanebo — Japanese PET makers rejoice.	Feb 24 Feb 24 June 22	5 5	
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PET expansion: Will Coca-Cola break IMC Fertilizer Group goes to the stock Kap Sono — Sonos and detergents report:	http:// Air roads lead to chemicals — report MMA BASF start gives MMA makers pause; who cranks out MMA in Western Europe (labele). Pesticides report: Non-U.S. companies' workswide reasted sales (labele). U.S. pesticide sales reflect consolidation (table). Permaneurical state in Italy increased plant for Diprivan anesthetic being built.	Mar May Jan May May	25 20 4 4	23 64 26 28	ness N. Acquisition by SmithKline N. International Deta Corp. — Molecular computer graphice. International Genetic Engineering — Chimeric monoclonals research agreement with Eastman Pharmaconicats. No International Institute of Synthetic Rubbe Producers — SB latexes markets: How some latex products will fare (chart).	Apr 13 May 25 Mar 9	5 10 17	xam Group. Harnhawfibrol will be sold to Engelhard Jan 6-13—9, Mags exit from chemicals. N Kalesp — New separations know-how from BP Kanebo — Japanese PEY makers rejoice. Kaneka Texas — Houston woos Far East companies.	Feb 24 Feb 24 June 22 Mar 9 Jan 20	5 5 31 7	
Germany's PET barrier? (tables) Mar 9 6 market	http:// Air roads lead to chemicate — report MMA BASF start gives MMA makers pause; who cranks out MMA in Western Europe (table). Pesticides report: Non-U.S. companies warsthode pesticide sailes (albeit). U.S. pesticide sailes refrect consolidations (table). Pharmaceutical stake in Italy increased plant for Diprivan answithetic being built. Plant modeled with C-E's software, Plant	Mar May Jan May May	25 20 4 4	23 64 26 28 38	ness N. Acquisition by SmithKline N. International Data Corp. — Molecular computer graphice. International Genetic Engineering — Chimeric monoclonals research agreement with Eastman Pharmacondicats. N. International Institute of Synthetic Rubber Producers — SB latexes markets: How some latex products will fare (chart). International Minerals and Chemical Biotech consortium sets its sights on	Apr 13 May 25 Mar 9 Jan 27	5 10 17 15	xam Group. Harnhawfithol will be sold to Engelhard Jan 6-13—9. News separations know-how from BP New separations know-how from BP News separations know-how from BP Houston woos Far East correspance. Kanaka Texas — Houston woos Far East correspance. Kanasa Paint — Paint pact with Du Pont. Kao Corp. of America — Buys Andrew	Feb 24 Feb 24 June 22 Mar 9 Jan 20 Mar 30	5 5 31 7 24 11	
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Katalistiks International — Catalysts '88	hono	20	20	Lawrence, C.J. — Pattison comments on	lan fi	40	9	MacPherson PLC — Acquiring the decora-			
report	June			Engelhard's p. rchase of Harshaw/Filtrol Pattison comn ents on Koppers	Jan 6 Apr	6	13	tive paints business of Valspar Paints Ltd. as well as Alexander, Ferguson			
gasoline octanes	Mar	9	13	LeaRonal — Ass co acquisition talks ter-	May	11	5	and Co N Macrochem — Joint research with Boston U.	Feb	10	14
ment systems: New technology pulls				minated	may	**	9	to develop iontophoresis method for			
the pieces together (charts)	Mar	9	20	ment can be sued on charge that FDA negligently licensed tainted vaccine for				transdermal drug delivery	Mar	16	94
report	Apr	6	20	sale rules Supreme Court N Immunoinsights breathe new life into	June	22	40	polymers W	May	11	15
e sixth parent in eight years N	Jan	20	5	Immunoinsights breathe new life into vaccines (table)	June	29	67	Mallinckrodt — Acquires a piece of NeoRx	Mar		21
Refinery gases: A quick source of ethy-				vaccines (table)				NeoHx names Mallinckrodt U.S. nuclear	Medi	30	
lene (table) Kemira — Acquisitions boost results: sales	May	11	16	tigation N Colgate and Henkel will split owner-	Feb	3	34	pharmacy distributor W Semicon West show: The password was	June	29	13
and earnings 1987	Mar		72	ship N Lever Brothers — Scaps and detergents	May	18	5	'purity' . Manah — Foemeg magnesium multiphoe-	June	1 1	12
Expands in TiO, acquires paints units. N	Mar		48	report	Jan	20	28	phate fertilizer; Multimineral boost for			
Fertilizer operations: DSM, Kernira will				report Lilly, Eli — Agreement with Agouron for				plants	May	4	44
swap plants. DSM negotiations put on holdN	Mar		16 58	three-dimensional drug design N Herbicides for U.S. antidrug campaign	May	11	17	Manufacturing Technology Conversion Inter- national — Pulse combustion turns to			
Nordic chemical makers adapt to an international climate — report (table)				in Peru: Lilly and Dow won't fight, for	hima	00		coal-fired boilers Marion Laboratories — Heart drug develop-	Apr	13	39
Kenaf International — Kenaf: A cheaper	Apr	13	18	Pesticides report: U.S. pesticide sales	June	22	6	ment with Soulbb	Mar	16	94
pulp for brighter U.S. newsprint Kenworth Truck — Trends in trucks boost	Feb	10	21	reflect consolidation (table)	May	4	28	Market Search — Trends in trucks honet			-
plastics (chart) Kerr-McGee — Rising caustic prices are	Feb	10	8	Ulcer drug Axid gets FDA approval N Linde AG — Counterbid for holding com-	Apr	20	5	plastics (chart)	Feb	10	
Kerr-McGee — Rising caustic prices are good news for soda ash (chart)	Mar	20	30	pany that has a controlling interest in Oxygene Liquide unsuccessful N	Feb	17	59	report (charts & tables)	June	29	20
Ketjen — Catalysts '88 — report	June		20	Propane-dehydrogenation process N Lipha Group — U.S. drug company, Dey	June		31	McCauley comments on catalyst joint venturing	Mar	30	9
Kimberly-Clark — Scaps and detergents report.			28	Lipha Group — U.S. drug company, Dey Laboratories, acquired N	Feb	3	34	Martin Marietta — SDI spinoff: graphite- magnesium composite			
Kishimoto Sangyo — Advanced Packaging.	Jan	20	20	The Liposome Co. — Liposomal drugs				Martin Marietta Energy Systems - Oak	June	0	10
joint venture, will begin producing PET bottles N	May	10	58	come of clinical age (table) Liposome Technology — Encapsulating-	Feb	17	24	Ridge lab works to clean up federal wastes: ORNL hazardous waste projects			
Kline & Co. — Bennett at SDA: From soap	May	10		cancer drugs in liposomes; agreement				across the U.S. (map)	June	1	63
to nuts with SDA at Boca (II) — Viewpoint Boccone comments on stock crash	Feb	17	3 7	with Erbamont	Apr	6	49	Marubeni — ATC see under name Soviet petrochemical complex gets green			
Capacity use: Up and coming - chlor-	Juni	21		the rest of a subsidiary N	Mar	9	5	light. N Master Builders — Acquires Celicote;	Mar	23	5
alkali market. Chemical acquisitions dropped in 1987 . N	June		9	Liquid Air buy brings a lawsuit W Little, Arthur D. — Bhopal study: Another	Mar	16	24	Master Builders — Acquires Cellcote; Sandoz will also acquire Cellcote sub-			
Non-U.S. bids: Benefit or risk? (table)	June	16	10	vote for sabotage at BhopaiN	May	18	47	sidiaries outside the U.S N	May	11	20
Packaging film sales are expected to				Maintenance management systems:				Materials Engineering Research Labora-	-		
soar	Feb	3	27	New technology pulls the pieces to- gether (charts)	Mar	9	20	tory — Polymer seal performance to be studied N	Mar	30	22
meeting (table). Koch Refining — Small restraints for Clean	Mar	2	9	Product development center formed N Litwin — Contract for oil and gas treatment	June	1	61	Matra Group — Melco see under name Matthey Organics — Courtaulds Chemicals			
	Apr	13	50	units for Tenghiz field, Russia N	June	8	17	acquires assets	Apr	27	29
Kommunekemi — The burning issue of waste in Europe	June		19	Lloyds of London — States push hard on	Mar	20	40	Maxxam Group — KeiserTech to be ac- quired	June		21
Koppers — Ashland oil spill curtails	Julie	10	10	liability charges				Maylai Chemical — Acquisition of Penick , W Mayo Clinic — Computer-architecture	Mar		14
operations Beazer Pic makes takeover bidN	Jan 6 Mar	-13	19	coatings: NEPCON West. Lord Corp. — SAE show: Fusor no-surface-	Mar	2	12	Mayo Clinic — Computer-architecture project: SDI spinoff	June		9
BNS offer rejected; Koppers files suit N	Mar		5	preparation epoxy adhesive	Mar	16	18	Mazer Chemicals — Chemical route to			
Beazer Pic makes a second, sweet-	Mar	20	5	Lorilleux International — CdF Chimie bids for 40% share of Coates Brothers, would				purer raw sugar	Feb	24	16
ened bid N Koppers bettles to repel a suitor	Ann	6	13	merge Lorifleux and Coates	Jan	20	15	growth of irradiation	Jan	27	15
A hold on BNS's Koppers bid. BNS takeover fight dents Koppers's	Apr	13	16	Merger with Costes Group com- pleted	Feb	17	59	McDermott International — Two more petrochemical complexes for the			
first quarter	Apr	27	5	Los Alamos National Laboratory — Com-				U.S.S.R N Mead — Chlor-alkali shifts to a seller's	June	8	5
More than 50% of Koppers's shares are tendered	May	4	5	puters in the CPI — report Lubrizol — Court prohibits sale of some	Apr	6	20	Mead — Chlor-alkali shifts to a geller's market (chart)	Feb	24	18
A postponement of hearings on the				Exxon lubricants that Lubrizol alloges			-	Melco — BP Chemical negotiating acqui-			0.7
bid for Koppers N Beazer finally wins Koppers	June		5	infringe on its patent	June	29	5	sition	Feb	24	27
Kopper's chemicals may have a			-	accounting rules - PASE rules	May	18	44	TPA production N	May	4	43
buyer N Polyester resin prices N	June May	4	17	Institutional investors find a new voice (table).	Apr	20	41	Merck — Anti-Id research: A second genera- tion of monoclorials (table)	Feb	24	23
Korean Plastic Industry — Joint Venture	,		**	Sales and earnings; fourth quarter N	Mar	2	5	Child-care programs: Kids get a vote of	hunn	16	29
with Solvay to produce wood-fiber-filled polypropylene sheet	Mac	16	72	Lucas & McNeil — Lucas comments on Proposition 65.	Feb	10	6	confidence from the CPI	June	10	20
Kraft — Foamed polymers toughen up				Lucky - A warning on ethylene capacity				vaccines: AIDS vaccines in research	hime	20	67
their act Kumiai — Pesticides report: Non-U.S. com-	Mar.	30	34	(tables) Lulkin & Jenrette — Stern comments on	Apr	6	8	Japan expected to approve imports of	June		000
pamies worldwide pesticide sales (table).	May	4	26	G-H interest in Essex's specialties	June	8	13	hepatitis B vaccine	Mar	9	17
Kuraray — Japanese PET makers rejoice Kureha Chemical Industry — Computers	Mar	9		Lummus Canada — Ethylene and LLDPE plant for China	Mar		24	roads lead to chemicals — report	May	25	25
in the CPI — report	Apr	6	20	Petrochemical projects for China N Lummus Crest — PE and PP plants for	Feb	10	5	Merck Sharp & Dohme Química e Farma- câutica — Merger with Aché Laboratórios			
Polyketonesulfide, entry in engineering resins N	Mar	2	36	South KoreaW	Mar	16	24	FarmaceuticosN	Jan		34
Smoked meet casing: plastic film NP Kuwait Petroleum Italia — Raffineria Olii	May	4	44	Refinery gases: A quick source of ethy- lene (table)	May	11	16	Merrell Dow — Bendectin cases (2) won . N Merrill Lynch Research — Henry com-	June	15	5
Lubrificianti to be bought	Mar	23	12	Lurgi - Contracts: PP plant for Sasol; oil	· · · · · · · · · · · · · · · · · · ·		100	ments on Carbide plans to cut dividends			
				and cas treatment units for Tenghiz field	June	A	17	and add shares	May	25	5
1				in Russia	3/4/6		**	service to help market new peroxide			
-				treatment units for Tenghiz field, Rus-	June		17	pulp-bleaching system N Metallgesellschaft — Tenneco's methanol	Mar	9	17
				eia	Julie	0	**	output to be purchased N	Apr	20	51
LCP Chemicale — Conrail gets low grades on handling hazmet (map).	Feb	17	6	provide for the recovery and recycling				West Germany: The home market loses out to the U.S. — report (chart &			
LNP Engineering Plastics — Composites				scrapped cars	Mar	16	16	Dackers)	June	15	22
sail on and upward (table)	Feb	10	11	Lynch, Jones & Ryan — Siemer comments				Metallized Products — Nylon film shuns sparks: curing processNP	May	4	44
time and money (diagram)	June	1	28	on Koppers' acquisition by Beazer N Mar 等高,	June	8	16	Metco — The plasma-processing torch is			
Laboratoire Pierre Fabre — Pact with APS for Microeponge technology (table)	Mar	9	16	Lyondell Petrochemical — Natural gas: Why natural gas prices have been rising.	Jan	27	10	rekindled: superconductor applications Metpath — Coming Glass will merge Inter-	Mar	16	92
Laboratorio Kalis — Fomblin-based prod-				Propylene rides high on a PP boom; re-				national Clinical into Metpath N	Mar	16	5
ucts (table). Laboratorios Roger — UCB takes 95%	Mar	23	33	vamping splitter at Channelview, Tex. Lyphomed — Liposomal drugs come of	Apr	13	36	Michelin — Jepanese joint venture in time. Michelin Okamoto Tire N	June	1	25
share	Mar	9	38	clinical age (table)	Feb	17	24	Michelin Okamoto Tire — Joint venture of			
Laporte Industries — Acquires Cyantek, chemical division of Drexier Technol-								Michelin and Okamoto Industries N Microbial Products — Making motor fuels	June		25
00y	Feb	17	59					from microalgae	Apr	13	45
Acquisition of three specialty chemical companies	Feb	17	21	M				Microelectronics and Computer Technology Corp. — Electronics R&D	Jan	20	22
Denotes a sone window to Ct. Albana	-	-	-					MicroGeneSys — AIDS vaccine: progress			
Donates a rose window to St. Albans								report	May	10	78
Cathedral to celebrate its own 100th	May	25	13	MRI Ventures — Biornass to adhesives							
Cathedral to celebrate its own 100th amniversary Laporte restructures and buys	May Mar	25	13	MRI Ventures — Biomass to adhesives process: R&D partners wantedN	June	8	28	vaccines: AIDS vaccines in research	hone	20	gen
Cathedral to celebrate its own 100th		2		MRI Ventures — Biornass to adhesives process: R&D partners wanted N MTM — Norsochem see under name Mabon, Nugenti — Reitzes comments on Dow's stake in Montedison	June		12	vaccines: AIDS vaccines in research and development (table)	June :	29	07

Miles Bayer's big U.S. investment: Miles			Brazil's stevia courts bottlers: Monsanto			NKK — CO recovery system wants cue-			
Research Center opened (chart)	Apr 27 Feb 3	18	hopes to build Brazilian plant for Nutra- Sweet aspartame	June 22	9	tomers	Feb	10	20
Citric acid production expansion W Sceps and detergents report	Jan 20	28	Child-care programs: Kids get a vote of			wants customersN	Feb	10	20
Mineraeloel-Rohnsoff-Handel — Petrokam see under name			confidence from the CPI	June 15 Apr 6	29	NL Industries — Rubber report (charts & tables)	Apr	20	18
Mint-Pac Technologies - Market for molded			Computers in the CPI — report		-	U.S. castable elastomers producers	Apr		28
printed circuit boards, NEPCON West . Miteni — Fluoride joint venture formed by	Mar 2	12	suit of acquired technology — Con- ference Bd. conference	Mar 9	13	Nabalco — European prices for caustic sode are sparing.	Apr	27	17
EniChem and Mitsubiehi	June 1	25	Engineered microbe is monitored in soil:			soda are soaring Nalco Chemical — Annual meeting: divi-			
Mitsubishi Chemical — EniChem forms fluoride joint venture, Miteni N	June 1	25	Clemeon U. field-testing soil bacterium P. fluorescens	Feb 24	16	dend hike announced N Computers in the CPI — report	Apr	6	20
Pest-killing fertilizer for use on paddy			Formaldehyde prices N	May 4	17	Realizing specialties' potential: CMRA			
Sales and earnings 1987 N	Mar 30 Mar 30	33	Genetically engineered soybean plants	Feb 17	5	meeting (table)	Mar	2	9
Window blind blocks EMI NP	May 4	44	are able to tolerate Roundup herbi-	h-ma 00	24	Towertrac	Jan 6	-13	55
Mitsubishi Corp. — Indonesian chemical complex plans progress. N	Jan 20	67	cide	June 22	31	National Energy Production — Treating wastewater via 'stage cooling' N	June	8	28
complex plans progressN Styrene plant at Baton Rouge, La. ex-			up opportunities for herbicides N	Apr 13	5	National Medical Care — Grace Increases			
pension N Mar 23-32, N Apr 6-42, N Mitsubishi Gas Chemical — Solvey licenses	May 18	53	Herbicide Lasso: Environmentalists stage a protect against Lasso N	May 18	78	its ownership	Jan 6	-13	5
process for barrier reginsN Mitsubishi Heavy Industries — Computers	June 29	15	Membranes: Linde's membranes — top			Bismuth as a component in supercon-			
in the CPI — report	Apr 6	20	of the heap?	June 8	29	Superconductor research wins funding	Feb	3	9
Desulfurization of flue gas for China . N	Feb 24	16	Permea see under name			in Jepan	Feb	3	19
Mitsubishi Metals — Houston woos Far	Jan 20	24	Pesticides report: U.S. pesticide sales reflect consolidation (table)	May 4	28	instant starches NP	June	1	59
East companies Mitsubishi Petrochemical Engineering —			A place for PVC in computers?	Jan 6-13	14	instant starches			00
Process design for Chinese ethylene derivatives plant	Fib 17	59	Price, David B., Jr., Specialty Chemicals Div.'s v-p and general manager: Mon-			bonate producer N Navistar — Trends in trucks boost plastics	June	8	36
Mitsuhishi Rayon — MMA: BASF start gives			santo's Price takes challenges in			(chart)	Feb	10	8
MMA makers pause (table)	Jan 20 Mar 9	64 38	Stride	Jan 6-13 Apr 20	55 18	Neison Analytical — Perkin-Elmer plans acquisition	Mar	2	6
PAN expansion			U.S. thermoplastic elastomers pro-			acquisition NeoPix — Mallinckrodt acquires a minority			-
built	Apr 6	55	ducers Sales and earnings: Fourth-quarter '87 . N	Apr 20 Jan 27	24	equity stake	Mar	30	21
 Japan's strategy: Close ranks, expand 		-	First-quarter '88 N	Apr 27	5	macy distributor W	June	29	13
(table) Mitsul PET-Resin — Japanese PET makers	Jan 6-13	50	Sitewide process optimization joint ven- ture: computer-integrated manufac-			Neste — Nordic chemical makers adapt to an international climate — report			
reloice	Mar 9	7	turing project N	June 15	17	(table)	Apr	13	18
Mitsui Petrochernical Industries Du Pont's Setar PB barrier resin will be distributed			Supreme Court won't order a N.J. tax refund	Apr 6	66	PP capacity: European puzzle — PP tabs	Mar	23	7
in Japan	Mar 16	16	Wirthlin Group survey: Biotechnology	. 4		(chart & table)	NAME OF TAXABLE PARTY.	23	
HDPE process licensed to Exxon Chemi- cal N	Apr 27	29	gets high marks from opinion leaders	May 4	43	tax breaks must be open to all rule jus- tices	June	A	40
MCX-A, new composites en y N	Feb 17	23	Monsanto Canada — Canoia, genetically	,		Nichibei — Window blind blocks EMI NP	May		44
Sales and earnings: fiscal '87 N Mitsui Toatsu Chemicals — Sales and	June 8	17	engineered to tolerate Roundup herbi- cide, will get a field trial N	May 25	16	Nigeria National Petrochemical Corp. — Hydrodealkylation unit on line W	May	11	14
earnings: fiscal '87 N Mitsui Tsui Toatsu — Pesticides report:	June 8	17	Monsanto do Braeil — Brazilian investments		-	Nigerian National Petroleum - LAB			
Mitsul Tsul Toatsu — Pesticides report: Non-U.S. companies' worldwide pesti-			for 1988 N MontEco — The burning issue of waste in	Jan 20	67	plant. N Nihon Methacryl Monorner — MMA: BASF	May	11	20
cide sales (table)	May 4	26	Europe Montedipe — Acquisition of French pro-	June 15	19	start gives MMA makers pause (table) .	Jan	20	64
Mobay Ashland Ashland oil spill cur- tails operations	Jan 6-13	19	Montedipe — Acquisition of French pro- ducer STAC expands its position in			Nihon Michelin — Will market Michelin Okamoto's tires to Japanese com-			
tails operations			urethanes	Mar 9	38	panies N Nihon Noyaku — Pesticides report: Non-	June	1	25
for the Bayer Group's 1987 sales (chart)	Apr 27	8	Catalysts '88 report	June 29	20	Nihon Noyaku — Pesticides report: Non- U.S. companies' worldwide pesticide			
Biocompatible resins for medical			Dow Chemical's stake in Montedison			sales (table)	May	4	26
Can U.S. polymer research keep up?	Feb 24 Jan 6-13	35 52	exceeds 2%	Apr 20	5	Nihon Oxirane — Styrene capacity in-	Mar	23	32
Computers in the CPI — report	Apr 6	20	SOR N	May 11	5	Nikko Securities International — Tokyo's			
Denka Chemical purchase completed; renamed Mobay Synthetics N	Jan 20	5	Dow's disclaimer only fuels Italian concern.	May 18	12	exchange lures U.S. chemical listings . Nippon Kayaku — Pesticides report: Non-	Apr	6	46
Maintenance management systems:			Glacco, Alexander F. named vice-chair-			U.S. companies' worldwide pesticide			
New technology pulls the pieces to- gether (charts)	Mar 9	20	man and CEO: Montedison taps Giacco Hungarian polystyrene joint venture . N	Mar 30 June 29	12 15	sales (table) Nippon Kokan — Catalysts '88 report	May		26 58
- Letter	Apr 27	3	Italy: All roads lead to chemicals			Nippon Oil and Fats — Automotive paints:			
MDI and aniline capacity will be ex- panded	.June 29	76	report (chart)	May 25 May 25	22 25	ICI and Nippon join paint forces Nippon Pigment — Houston woos Far East	Mar	30	10
Pesticides report: U.S. pesticide sales	May 4	28	Merger with EniChem discussed N	May 4	14	companies	Jan	20	24
reflect consolidation (table)	May 4 Jan 6-13	14	Montedison, ENI move closer	June 1	,	Nippon Shell Glass — Light-controllable acrylic films	Mar	30	22
Plastics producers display their wares			off three operations and concentrate	Mar. 22	12	Nippon Soda — Pesticides report: Non-U.S.	500.000	-	
at the NPE	June 29	6	on key businesses	Mar 23		companies' worldwide pesticide sales (table)	May	a	26
Rubber report (charts & tables)	Feb 3 Apr 20	18	green light	Mar 23	5	(table) Nippon Synthetic Chemical Industry — Ato-			
U.S. thermoplastic elastomers pro-			Montefluos Fomblin-based products:			chem made distributor for EVOH co- polymers for Continental Europe N	June	29	15
U.S. castable elastomers producers	Apr 20 Apr 20	24	An industrial lube doubles in skin care	Mar 23	33	Nissan — Pesticides report: Non-U.S. com-			
SAE show: use of structural reaction-			Montgomery Securities - Gilbert com-	man Lo	00	panies' worldwide pesticide sales (table) Nisso Master Builders — Joint venture	May	4	26
injection molding with polyurethanes Thermoplastic PC/PET resin blends.	Mar 16	16	ments on second-generation versions of TPA	June 29	9	with China's Shanghai Waterproof Build-	Mau	44	20
Makroblend	Jan 6-13	21	Morgen Grenfell & Co. — Asetco Ltd.,			ing Materials	May	1.1	20
Trends in trucks boost plastics (chart). Urethane intermediates: The pace	Feb 10	8	U.KU.S.S.R. engineering ventureN Morris — Fomblin-based products (table)	Apr 27 Mar 23	29 33	the CPI — report	Apr	6	20
quickens; capacity increases (table)	Mar 9	30	Morton Thickol — Acquires fromer Chemie. W	Apr 20	16	under name			
Mobil Chemical — Aristech's olefins plant purchase completed	Jan 6-13	5	Adhesives and sealants report	Mar 16	28	Nobel Chematur — TDI plants for China . N	June	1	25
Institutional investors find a new voice			Rubber report (charts & tables)	Apr 20	18	Nobel Industries — Acquires Berol Kemi N	Apr	6	55
(table). PE capacity boost	Apr 20 May 25	41	Thermoset specialty elastomers pro- ducers in the U.S.	Apr 20	20	Kemi N Nordic chemical makers adapt to an	Apr	12	10
Polystyrene prices	May 25 Mar 23	32	Sales and earnings: Fourth-guarter '87 . N	Jan 27	5	international climate — report (table) Nokia — Nordic chemical makers adapt	Apr	13	18
Propylene rides high on a PP boom (tables)	Apr 13	36	Superfund: Uncle Sam picks up the tab — Slesinger comments	June 8	23	to an international climate — report	Apr	12	18
Refinery gases: A quick source of ethy-			Moscow Narodney Bank - Asetco Ltd.,			(table)			
lenė (table) Mogul — Water-treatment systems get	May 11	16	U.KU.S.S.H. engineering ventureN Motorola — Air Products will take care of	Apr 27	29	cide sales reflect consolidation (table) Norcom — Brazilian PVB plant planned	May	4	28
smart	Jan 6-13	54	Motorola's gas: Turnkey gas supply from			Nordson Co. — Adhesives and sealants	May	-	0
Molecular Design — Computers in the CPI — report	Apr 6	20	production to point of use (chart) Semicon West show: the password was	May 11	9	report	Mar	16	28
Molecular modeling software: PitCon	Mar 2	7	'purity'	June 1	12	trainw	Apr	20	16
Molson Companies — Diversey see under marrie			Mt. Vernon Plastics — Reynolds Metals plans acquisition	June 29	13	Norges Kjemiske Industrigruppe — Nordic chemical makers adapt to an international			
Monacril - MMA: Who cranks out MMA in	las as	05	Mycogen - Biopesticide, M-One, that			climate — report (table)	Apr	13	18
Western Europe (table) Monsanto — Astroturf business to be sold	Jan 20	65	combats Colorado potato beetle gets EPA okayN	May 25	16	Norsk Hydro — Magnesium metal plant will get hydrogen from HydrogenAL			
to Balsam Sportstattenbau GmbH N	Mar 2	5	Pesticides report: Biopesticides	May 4	37	Becancour plant	June		21
Australian petrochemicals will be di- vestedN	Mar 9	5	N			Magnesium output cut	Mar	30	32
Biphenvis expansion	Jan 6-13	26	NEC Com Computers in the Com			international climate report (table)	Apr		18
Brazil buoys the private sector Brazilian PUB plant planned	June 1 May 4	11	NEC Corp. — Computers in the CPI — report	Apr 6	20	Norsk Hydro turns sharply up	Feb	24	13

Stock offering relaunched N Norsochem — Acquires Engineering and	May	11	20	Olin Corp. — Caustic soda prices N Chlor-alkali price-fixing suit: six pro-	May	18	53	Sales and earnings: Fourth-quarter '87 . N Soaps and detergents report	Jan	27 20	5
Chemical Supplies enecializing in	- Second	- 00		ulucers settle (chart)	Feb	17	8	Tokyo's exchange lures U.S. chemical			28
benzoyl peroxide	Juni	8 23	15	Chlor-alkali shifts to a seller's market (chart)	Feb	24	18	PO Corp. — Aquenatics's O ₂ extraction	Apr	6	46
makers pause; who cranks out MMA in Western Europe (table)	Jan	20	64	Debottlenecks chloropyridine capacity. N Deferred tax reporting: Tailying the new	Jan	27	43	process: joint venture to develop prod- ucts to remove oxygen from beverages	May	4	16
New name for CdF Chimie's chemicals				accounting rules — FASB rules	May		44	Chemicals after their roles in paper-	May		
Norsochem see under name	Jan	6-13	49	Earnings growth forseen in 1988 N Joint venture with Albright & Wilson and	Jan	20	5	making (chart & table)	Apr	20	47
Polystyrene plant planned N Northeastern Pharmaceutical & Chemical	Apr	13	43	Texasguif in phosphates N Maintenance management systems:	Apr	27	5	ventures (table & map)	Mar	30	9
- Insurers escape pa ing some Super-				New technology pulls the pieces to-				Sosps and detergents report	Jan		28
fund costs N Northville Industries — Trans-Panarna Pipe-	Apr	6	66	gether (charts)	Mar	15	20	boom (tables) Why natural gas prices have been rising:	Apr	13	36
line's payment of electricity bill to state-	Ans	20	58	Sales and earnings: first-quarter '86 , N	Apr	27	5	comments from Whitman	Jan	27	10
owned utility poses threat to pipeline. N Northwest Central Pipeline see Williams	Apr	20	28	Sodium chlorite prices N Sulfuric acid prices N	Jan Feb	27	43	Pace Petrochemical Service — Importing ethylene to where?	Feb	3	12
Natural Gas Nova — Polysar Energy & Chemical rejects				Telemarketing rings up more chemical	June	8	31	Not enough ethylene around to go around	May	4	8
a bid N Feb 10-5, 'n Sales and earnings 1967 N	Apr	20	54	TDI prices N	Feb		36	Pylant comments on Shell Oil's explo-	may	-	0
First-quarter 88	Feb		14	Urea plant at Lake Charles, La. re- started	June	1	43	sion at Norco refinery's effect on othylene ma ket	May	18	8
Nova Fharmaceutical — CNS drug develop- ment partnership with SmithKline Beck-				Urethane intermediates: The pace quickens; capacity increases (table)	Mar	9	30	Pacific Engineering and Production — Ex- plosions wrack a rocket fuel plant N			5
man N Treatment for the common cold awaits	June	1	61	Olin Hunt Specialty Products — Semicon				Pacific Scientific — On-line NIR analysis	May		
testingN	Feb	17	23	West show: the password was 'purity' . Omni Tech International — License from	June	1	12	saves time and money Paco Pharmaceutical Services — Scherer	June	1	28
Novacor Chemicais — Polyethylene				Dow for ion exchange polymers that			40	plans drug-packaging acquisition N	Jan	20	5
prices N Novo Industri — Lipolase lipase, deter-	June	. 0	36	scavenge low metal levels N Oncogen — AIDS vaccine begins clinical	Apr	6	49	Pantochim — Sisas purchases part of an abandoned chemical production site at			
gent enzyme for dissolving fats N Nordic chemical makers adapt to an	Feb	10	20	Onsite • Ofsite — Licenses Rattelle's hig-	May	18	78	Feluy, Belgium	Mar	22	36
international climate - report (table)	Apr	13	18	mass gasification processN	Apr	20	37	new life into vaccines (table)	June	29	67
Soaps and detergents report: enzyme development.	Jan	20	52	on Cain Chemical	Mar	23	22	Parpinelli Tecnon — World chlorine demand growth predicted; world production of			
development. Nuodex — Hüls America announces a				Rose comments on Koppers' acquisi-				VCM will increase — reports N	May	25	31
consolidation	Mar		5	tion by Beazer. Oregon Freeze Dry — Freeze drying stirs	June	0	16	Pathtek — Molded printed circuit boards: NEPCON West	Mar	2	12
aspartame for new product categories . N Aspartame plant may be built in Brazil:	June	15	5	new interest. Oriental Chemical Industry — Korean joint	Feb	17	42	Paular — MMA: Who cranks out MMA in Western Europe (table)	Jan	20	65
Brazil's stevia courts bottlers	June		9	venture in hydrazine hydrate N	May	18	58	Pavion Pact with APS for Microsponge			
EC inquiry alters NutraSweet contracts, N Fat substitute	Mar		33 19	P/O Organitex — Asetco Ltd., U.KU.S.S.R. engineering venture N Oriental Chemical Industry — Eyang Chem-	Apr	27	29	technology (table). Penick — CPC sells specialty unit to May-	Mar	9	16
Nycomed — Nordic chemical makers adapt to an international climate — report				Oriental Chemical Industry — Eyang Chemical, joint venture for flocculants in				fair Chemical	Mar Jan 6		14 58
(table)	Apr	13	18	KoreaN	Feb	17	59	Chlor-alkali price-fixing suit	Feb	17	8
Nypel — Rubber renort (charts & tables) . U.S. castable elastomers producers	Apr	20	18 28	Ormonoid — Acquired by Laporte W Feb 17-21.	Mar	2	14	CFCs: How long a farewell to CFC pro- duction?	Apr	6	7
			-	17-21, Orogil SA — Chevron to acquire Rhône-				Investor group, Centaur Partners, may			
0				Poulenc's holdings N Chevron will assume management re-	Feb	3	34	launch an acquisition attempt N Kyner PVDF resin marketing stepped	June	22	5
U				sponsibility	Jan	20	5	up in Brazil	June	22	16
CAN/ EB consider European augusts				system purifies monoclonals N	Mar	2	36	declines to talk to an investor group. N	June		5
OMV — PP capacity: European puzzie — PP tabs (chart & table)	Mar	23 *	7	Ortho Diagnostics — Chiron's blood test will be marketed N	May	18	78	PepsiCo — Brazil's stevia courts bottlers NutraSweet contracts altered by EC in-	June	22	9
ORS Environmental Equipment division				Ortho Pharmaceutical — Anti-id research:				Perkin Firmer — Angulation of Malana	Mar	2	33
ORS Environmental Equipment division see Groundwater Technology Oak Ridge National Laboratory — Haz-				A second generation of monoclonals (table)	Feb	24	23	quiry	Mar	2	33
ORS Environmental Equipment division see Groundwater Technology Oak Ridge National Laboratory — Haz- ardous waste projects: Oak Ridge Lab	June	1	63	A second generation of monoclonals (table)	Feb Feb			Superconductors: McLaughlin reports	Mar	2	
ORS Environmental Equipment division see Groundwater Technology Oak Ridge National Laboratory — Haz- ardous waste projects: Oak Ridge Lab works to clean up federal wastes (map) Laser-doppier radar: SDI spinoff			63	A second generation of monoclonals (table). Liposomal drugs come of clinical age (table). Otisville Biopharm — Anti-idiotypes — a	Feb	17	24	Superconductors: McLaughlin reports low fabrication temperatures. System Integration: PriCon.		2	6
ORS Environmental Equipment division see Groundwater Technology Oak Ridge National Laboratory — Haz- ardous waste projects: Oak Ridge Lab- works to clean up federal wastes (map) Laser-doppier radar: SDI spinoff R&D lab systems: call for updating	June	8		A second generation of monoclonals (table). Liposomal drugs come of clinical age (table). Olisville Biopharm — Anti-idiotypes — a second generation of monoclonals (table) immunoinsights breathe new life into		17		Superconductors: McLaughlin reports low fabrication temperatures	Mar May Mar	18 2	6 16 6
ORS Environmental Equipment division see Groundwater Technology Oak Ridge National Laboratory — Hazardous waste projects: Oak Ridge Lab works to clean up federal wastes (map) Laser-doppier radars 5DI apinoff: R&D lab systems: call for updating (charts). Occidental Chemica: — Caustic soda prices. N	June June Mar	16	2	A second generation of monoclonals (table). Liposomal drugs come of clinical age (table). Olisville Biopharm — Anti-idiotypes — a second generation of monoclonals (table) Immunolinsights breathe new life into vaccines: AIDS vaccines in research	Feb Feb	17	24 23	Analytical planned Superconductors: McLaughlin reports low fabrication temperatures. System integration: PirCon. Permea — Gas membrane technology, Prism Alpha: Linde's membranes — top of the heap? Letter	Mar May Mar	2 18 2 8	6
ORS Environmental Equipment division see Groundwater Technology Osk Ridge National Laboratory — Hazardous waste projects: Oak Ridge Lab works to clean up federal wastes (map) Laser-doppler radar: SDI spinoff R&D lab systems: call for updating (charts) Cocidental Chemicai — Caustic soda prices — Correction	June June Mar May	16 18 25	80 53 31	A second generation of monoclonals (table). Liposomal drugs come of clinical age (table). Olisville Biopharm — Anti-idiotypes — a second generation of monoclonals (table) Immunolnsights breathe new life into vaccines: AIDS vaccines in research and development (table). Ovonic Battery — Hydride batteries charge	Feb Feb June	17 24 29	24 23 67	Analytical planned Supercoductors: McLaughlin reports low fabrication temperatures. System integration: PiriCon. Permea — Gas membrane technology, Prism Alpha: Linde's membranes — top of the heap? — Letter — Gas producers permeate the membrane.	Mar May Mar June	2 18 2 8 29	6 16 6 29 3
ORS Environmental Equipment division see Groundwater Technology Oak Ridge National Laboratory — Hazardous waste projects: Oak Ridge Lab works to clean up federal wastes (map) Laser-doppler radiar: SDI spinoff R&D lab systems: call for updating (charts). Cocidental Chemicai — Caustic soda prices N — Correction Chlor-alkall price-fixing suit Chlor-alkall shifts to a selier's market	June June Mar May May Feb	16 18 25 17	80 53 31 8	A second generation of monoclonals (table). Liposomal drugs come of clinical age (table). Olisville Biopharm — Anti-idiotypes — a second generation of monoclonals (table) Immunolnsights breathe new life into vaccines: AIDS vaccines in research and development (table). Ovonic Battery — Hydride batteries charge up. Owens-Corning Fiberglas — Composites	Feb Feb June May	17 24 29 25	24 23 67 9	Analytical planned Supercoductors: McLaughlin reports low fabrication temperatures. System integration: PirCon. Permae — Gas membrane technology, Prem Alpha: Linde's membranes — top of — Letter Gas producers permeate the membranes sactor. Joint marketing of gassous nitrosen	Mar May Mar June June	2 18 2 8 29 15	6 16 6 29 3 37
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ORS Environmental Equipment division see Groundwater Technology Oak Ridge National Laboratory — Hazardous waste projects: Oak Ridge Lab works to clean up federal wastes (map) Laser-doppier radar. SOI apinoff. R&D lab systems: call for updating (charts) encountry. Respectively of the project	June June June June June June June June	16 18 25 17 24 17 8 29 24 20 20 20 24 20 20 20 20 27 25 27 27 25 27 27 27 27 27 27 27 27 27 27 27 27 27	9 80 53 31 8 18 288 276 18 15 18 24 777 5 9 5 18 28 5 5 5 18 28 5 5 5 5 6 6 6 19 6 6 6 28	A second generation of monoclonals (table). Liposomal drugs come of clinical age (table). Liposomal many come of clinical age (table). Disville Biopharm — Anti-Idiotypee — a second generation of monoclonals (table) immunolinically breather new life into vaccines. AIDS vaccines in research and development (table). Ovonic Battery — Hydride batteries charge and development (table). Ovense Bionical — Composites sail on and upward (table). SAMPE show S-2 glass roving. Ovense Billionica — Brockway merger delayed by some antifrust concerns. N. Glassmakers merge— legally. Oxiquim — Kunstmann, Gerardo, vice-president and cofounder: APLA calls. Oxiquim — Kunstmann, Gerardo, vice-president and cofounder: APLA calls. Oxiquim Skunstmann Oxochime — Joint venture to be modernized on the composition of th	Feb Feb Feb June	17 24 29 25 10 16 2 9 6 25 1 17 13 27 2 10 10 17 17 17 17 17 17 17 17 17 17 17 17 17	24 23 67 9 111 20 5 5 11 52 27 21 59 36	Analytical planned Analytical planned Superconductors: McLaughlin reports low fabrication temperatures. System integration: PiCon. Permea — Gas membrane technology. Prism Alpha: Linde's membranes — top of the heap? — Lefter Gas producers permeate the membrane Joint marketing of gaseous nitrogen agreement with Calor Gas. Joint marketing of gaseous nitrogen agreement with Calor Gas. Joint marketing of gaseous nitrogen agreement with Calor Gas. Joint gaseous nitrogen agreement with Calor Gas. Joint wenture to faste on recycling in the subsidiary to S&J Acquisition. Grow sells the drug maker in leveraged buyout Pershing — Gray comments on GAF's LBO PET-Recycling Deutschland — Coca Cola joint venture to take on recycling in West Germany. Petrshing — Gray comments on GAF's LBO PET-Recycling Deutschland — Coca Cola Joint venture to take on recycling in West Germany. Petrshing — Gray comments on GAF's LBO PET-Recycling Carpet of chemicals. Petrach Systems — Silanes for CaCO, surfaces. Petrach Systems — Silanes for CaCO, surfaces. Petrochemical inclustrice — Contract to Japanese companies for ethylene and VCM complex. Petrochemical industrice — Contract to Japanese companies for ethylene and VCM complex. Petrochemical industrice — Contract to Japanese companies for ethylene and VCM complex. Petrochemical industrice — Contract to Japanese companies for ethylene and VCM complex. Petrochemical industrice — Contract to Japanese — Produgal's petrochemicals head for the private sector. Netrochemical petrochemicals head for the private sector. Netrochemical petrochemicals head for the private sector. Netrochemical petrshing and acquires to Netrocouring interest. Ne	Mar May Mar June June June June Mar May Mar May June Feb Jan June Mar Apr Apr Jen Jen Jen Jen Jen Jen Jen Jen Jen	2 18 29 15 22 30 11 9 9 11 24 25 15 3 20 15 22 30 11 12 4 25 15 26 27 16 27 16 27 16 27 16 27 16 27 16 16 16 16 16 16 16 16 16 16 16 16 16	6 16 6 29 3 37 36 21 13 8 7 21 35 8 31 18 8 31 7 43 55 5 7 53 5

Constitute annipagating of change commo			Progressive Apparel — SDI apinoff prod-			Polyester prices N Mar 16-91, N	May		17
Genetic engineering of cheese enzyme, rennin: licensing agreement with Cell-			uct, silicon nitride, may be useful in			Prices: styrene-butadiene latexes; vinyl	may	-	
tech	Feb 17	23	protective gloves	June 8	10	acetate and vinyl acetate emulsions . N	Mar	23	32
Metals business sold to Ametek W	Jan 20	23	Proquigel — Braziliah styrene and PS ven-			Reichhold maps strategy under new			
Pfizer Chemical Div. president Donald			tire gets a green light	May 4	14	owners: interviews with C. Robert	Enh	17	48
E. Kolowsky: A 33-year odyssey for Pfizer's chemical chief	Jan 27	35	Proquim — Hydrogen peroxide plant for Venezuela	June 23	36	Powell and Thomas R. Mitchell Rubber report (charts & tables)	Feb		18
Vascular biology collaborative research	Other Ex	00	ProTech Reclamation Inc. — Catalysts	00110 20	00	Thermoset commodity synthetic rub-	, que		
study with British Bio-Technology			'88 report	June 29	32	ber producers in the U.S	Apr	20	23
Ltd N	June 29	66	Provesta — Hydrogen peroxide route is			Tall oil product prices N	Mar	2	43
Philips and Du Pont Optical — Erasable	luna 1	60	enzyme-catalyzed reaction	Jan 27	36	Terpene, polyterpene resin prices N	Apr	13	25 34
optical disk	June 1	58	Prudential Bache — Bogner comments on Goodrich's decision to abandon tires.	Jan 6-13	13	U.S. naval stores get a boost (charts) VOC emission violators face harsh pen-	reu	11	34
envelone market studyN	May 25	31	Prudential Insurance — Keran at SDA:	041010		alties: Winters comments	May	25	17
Phillips Petroleum — Annual meeting:			From soap to nuts with SDA at Boca -			Reilly Tar & Chemical — KaiserTech brine			
operating income announced N	May 4	5	Viewpoint	Feb 10	3	chemical operation in Utah to be pur-	Cab	04	
Ethylene plant at Sweeny, Tex.: Not enough ethylene around to go around.	May 4	8	gets the gases out of the stacks	Apr 13	38	chased	Feb	24	5
Provesta see under name	may 4	0	Purex — Soaps and detergents report	Jan 20	28	life into vaccines: AIDS vaccines in re-			
VanBuskirk, John, Plastics Div. head,						search and development (table)	June		67
corporate v-p: Phillips's VanBuskirk						Repsol Mexicana — FormedN	May	25	27
finds work a joy	May 25	29				Repsol Petroleo — MTBE plants N Mexican subsidiary, Repsol Mexicana,	Apr	20	54
Which catalyst for alkylation: Hydrogen fluoride use in petroleum refining may			Q			formedN	May	25	27
be limited in L.A.	Feb 24	11	· ·			Hepsol Quimica — Acquires polyester resin	-		
Phillips 66 — 'The ethylene market event'						plant from Plastiform N	Jan	27	34
everyone feared: Shell Oil's Norco re-	May 18	8	Quality Packaging Supply - Nylon film			Europe lifts the barriers to an integrated	lune	4	52
finery explosion K-resin capacity expansion N	May 18 Jan 20	59	shuns sparks	May 4	44	market	June		36
PE makers keep a wary eye on rising	our Lo	00	Quantum Chemical — Ethylene plant at			niche markets	June	1	52
ethylene prices (charts)	Mar 16	6	Deer Park, Tex.: Not enough ethylene	May 4	8	PP canacity: European ouzzle — PP tabs			_
Photo-Marker — Acquisition of H.F.Ross			The ethylene market event' everyone	May 4	0	(chart & table). Thermoplastics plant at Santander to	Mar	23	7
& Associates	Mar 9	14	feared: Shell Oil's Norco refinery ex-			double capacityN	Apr	20.	54
hydromulchNP	Jan 6-13	58	plosion	May 18	8	Research Development Corp of Japan —	Apri	20	24
Pioneer Hi-Bred International — Pesticides	5001010	-	Ethylene unit schedule at Deer Park,	4 07		Funds for hepatitis B vaccine and inter-			
report: Biopesticides	May 4	35	Tex N Glycerine: 99.8% glycerine introduced . N	Apr 27 June 29	5 76	feron production N	Mar	9	17
Pirelli — Acquisition of Armstrong Tire:	A 07	40	LDPE demand expected to decline, while	Julie 25	10	Research Industries — Vascular Inter- national's assets and technology for			
Pirelli likes its second choice	Apr 27 Mar 16	13	LLDPE demand will riseN	Jan 27	43	copolyurethanie blood vessels bought:			
Firestone agrees to merge with	rents 10	-	Outlook for 1988; Brophy comments	May 11	6	small synthetic blood vessels enter			
BridgestoneN	Mar 23	5	PE capacity expansion planned N	May 25	31	human trials N	Apr	13	34
A burst off takeover laws sparks		-	Polyofefin growth is unlikely to match that of 1967	Jan 27	43	Research Triangle Institute — Diamond-			40
many challenges (map) Plant Genetic Systems — Herbicide-resis-	Mar 23	29	Quantum Chemical: A new name, a new	our Li	45	crystal-coating technology: SDI spinoff Resisa — Spanish consumption of PET	June	8	10
tant sugar beets developed N	May 18	58	commitment to chemicals (chart)	Feb 10	28	soars	Mar	23	36
Launches major program of field trials	may 10		Sales and earnings: first-quarter '88 . N	Apr 27	5	soars			
of modified plants N	June 22	16	Share repurchase program: offer to buy back 3 million shares N	Mar 16	5	tive sludge treatment: EPA and industry			
Plastech International — Plastics move	Many 4	46	Shell's partial restart frees up ethylene	mai 10	9	push for new Superfund solutions	Feb		28
into the warehouse. Plastiform — Repsol Química acquires	May 4	40	for QuantumN	June 15	21	Restiva — Fomblin-based products (table) Rexene — A second LBO for El Paso	Mar	23	33
polyester resin plant N	Jan 27	34	Queensland Alumina — European prices			Products N	Feb	17	5
Polipropileno — PVB plant planned	May 4	8	for caustic soda are soaring	Apr 27	17	Productis. N Reynolds Metals — Mt. Vernon Plastics			
Folychrome Chemicals — Reichhold add	Mar. 0		QuéNord — Sodium chlorate capacity in- crease	Apr 6	42	to be acquiredvv	June	29	13
Polychrome to its operations N Polysar — Degradable plastics joint ven-	Mar 9	5	Quest Energy — Propylene rides high on			Rhode Island Hospital — Diagnostic tech- nique based on a monoclonal antibody			
ture with Eco of TorontoN	Feb 24	36	a PP boom: joint venture with Enterprise			improves diagnosis of leukemia N	Mar	2	36
Latex operations will be sold to BASF N	Jan 6-13	49	Companies to build splitter	Apr 13	36	Rhodia — BPA: det:t will be converted to		-	
BASE seeks a route to rubber via			Química Iberica — UCB increases its	Mar 9	38	increase BPA output N	May		58
Polysar (chart)	Jan 27	14	holdings N Quinn, K.J. & Co. — Rubber report (charts	mint o	30	Brazil buoys the private sector	June	1	11
Polystyrene capacity increase N Polystyrene expansion at Decatur, Ala.	June 15	21	& tables)	Apr 20	18	Rhône-Poulenc — Acquires Du Pont's Mexican pharmaceuticals subsidiary			
plantN	June 29	76	U.S. thermoplastic elastomers producers	Apr 20	24	Dufarmex N	Apr	20	54
Styrene plant at Sarnia, Ont., may be			U.S. castable elastomers producers	Apr 20	28	Aldicarb curbs to protect groundwater. N	June	29	80
	May 18	53				Beta Physics, PE film producer, will be			
Polysar Energy & Chemical — Nova bid rejected N Feb 10-5, N	Apr 20	54				acquired from Eastman Kodak N	Jan		34 19
Polysar will sell its latex operations to	Apr 20	24				The burning issue of waste in Europe Chevron will assume management re-	June	15	19
BASFN	Jan 6-13	49	D			sponsibility for Oragil, joint venture;			
BASF seeks a route to rubber via			n			interest in Petrosynthese acquired N	Jan	20	5
Polysar (chart)	Jan 27 June 8	14				Chevron to acquire the other half of	Feb	3	34
Polysar Gulf Coast — Rubber report (charts	Julio 0	11	RLI Acquisition - Redken fights to go			Orogil SA N Computer in the CPI — report	Apr	6	20
& tables)	Apr 20	18		June 22	13	Joint research in nonlinear optical			-
Thermoset commodity synthetic rub-			HTZ Corp. — Sturge, J&E see under name			materials N	Jan 6	-13	22
ber producers in the U.S.	Apr 20	23	U.S. Borax see under name	b 45	40	The pace quickens for urethane inter-			00
Pope & Talbot — Acquires G-P's disposable diaper manufacturing plants that make			RWE — Acquires Deutsche Texaco (table). Radiation Sterilizers — Aerosol output	June 15	10	mediates (table)	Mar	9	30
up its Convenience Products Div W	June 8	16	continues to soar: saline-containing			worldwide pesticide sales (table)	May	4	26
Pratt & Lambert — Acquires Chemical	-		aemsols for contact lens	May 11	35	U.S. pesticide sales reflect consoli-			
Specialties Div. of Compo Chemical W	June 29	13	Bans are stunting growth of irradiation.	Jan 27	15	dation (table)	May	4	28
Praxis Biologics — Immunoinsights breathe new life into vaccines (table)	June 29	67	Radiation Technology, Inc. — Bans are	Jan 27	15	Rubber report (charts & tables)	Apr	20	18
Precision Drying Systems - A cheaper	Service Elec		stunting growth of irradiation	- L	10	dupage in the LLC	Apr	20	20
way to dry almost anything (diagram)	Feb 3	36	will sell subsidiary to Kuwait Petroleum			Sales and earnings 1987 N	Apr	6	55
Premark International — Amoco completes			Italia	Mar. 23	12	First-quarter 88	June		25
acquisition of Dartco's liquid-crystal polymer operation	Apr 6	5	Raman, Anantha & Co. — O'Brien com- ments on Air Products management	Mar 2	20	Richardson-Vicks — Pact with APS for	Mar	9	16
Premium Plastics — Himont to buy plastics	Apr 0	2	O'Brien comments on Du Pont's elec-	mar 2	20	Microsponge technology (table)	Mar	3	10
compounding plant N	Feb 3	5	O'Brien comments on UC plans to re-	Feb 17	14	pany	June	1	25
Probe Economics — Johnson comments			O'Brien comments on UC plans to re-			pany. N Riverside Products — Sodium bicarbonate			
on propane dehydrogenation	Apr 13	36 20	##GP	June 29	12	marketN	June	8	36
Procatalyse — Catalysts '88 report Procomp — Chemicals alter their roles in	June 29	20	Raman comments on Allied-Signal's Beitzer	Apr 6	13	Roberts Laboratories — Du Pont licenses			
papermaking (chart & table)	Apr 20	45	Rechem — The burning issue of waste in	ules o	13	new class of cancer drugs, radiosensi- tizers N	Mar	9	17
Procter & Gamble Glycerine: P&G will			Europe	June 15	19	Robertson, H.H. — Freeman Chemicals			
supply high-purity glycerine N	Apr 20	51	Recordeti — Italy: All roads lead to chem-			acquired by DSM Resins N	Apr	20	54
High-purify glycerine	June 29	76	icals — report. Redken Laboratories — Redken fights to	May 25	24	Georgia Gulf intends to buy Freeman	ing 6	10	6
nology (table)	Mar 9	16	go private: takeover rumors prod the			Chemical N Robins, A.H. — Sanofi's bid accepted	Jan 6 Jan 6		5
Soaps and detergents report	Jan 20	28	founder to buy back the beauty products			Robins shareholders endorse a take-	udii 0	100	0
Prodome — Formed by merger of Merck			firm	June 22	13	over proposal from AHP N	Jan	20	5
Sharp & Dohme Química e Farmaceutica	len or	24	Reichhold Chemicals — Adhesives and		20	AHP outbids its rivals for Robins	Jan	27	7
and Aché Laboratórios Farmacêuticos . N Product Resources International — Aerosol	Jan 27	34	sealants report. Chemicals after their roles in paper-	Mar 16	28	Reorganization plan modified: pay-			
output continues to soar: edible whip			making (chart & table)	Apr 20	45	ment of \$100 million deposit into a trust fund for Daikon Shield claim-			
technology (table)	May 11	35	Glove market: AIDS fears boost thin			ants will free merger agreement			
Productos Forestales — Pulp project in			gloves Mitchell, Thomas R. is new president	Mar 2	16	with American Home Products . N	Mar	23	5
Chile	Mar 23	36	Mitchell, Thomas R. is new president	Ans so	10	Dalkon claimants urged to reject	80-	**	-
quires Goal Chemical Sealants W	June 29	13	and CEO Polychrome Chemicals added to its	Apr 13	10	Chapter 11 plan N Rodic — Liquid crystal joint venture	May	11	5
Purchases Berger Elastomers W	Max 30	21	operations N	Mar 9	5	formedN	Apr	6	5
								-	-

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fiber filled porypropylene sheet N	Mar 1		Sales and earnings 1987 N Feb 24-27, N Mar 2-5, N	Apr 27	29	Texas Eastern Gas Pipeline — PCBs: company will pay big for PCB cleanup . N	June 1	5	42
PVC joint venture in Thailand N Zeolites venture with UCB and Ausidet . N	Jan 6-1	3 49	Valent U.S.A. joint venture with Chev-			Texas Eastern Transmission — FERC			
Sofvay Thermoplastic Manufactured Parts — New unit for plastic car parts N	June 2	2 16	Sumitomo Corp. of America — PTFE dump-	Apr 20	54	rule: Supreme Court uphoids natural gas competition	Apr 2	7	48
Sonic Development — Wet precipitators			ing: Du Pont wins round in fight against	Jan 20	16	Texas Instruments — Computers in the CPI — report	Apr	6	20
tackle incinerator stack gases (charts & (able)	May 2	5 38	alleged dumping (table) Sumitomo Electric Industries — Holmium-			Texasguil - Olin forms joint venture in			
Southern California Gas - FERC rule:			based film: New in superconductors , N Sumitomo Naugatuck — PC resin from	Jan 20	27	phosphates. N Rising caustic prices are good news for	Apr 2	7	5
Supreme Court upholds natural gas competition. N	Apr 2	7 48	Dow will be marketed N	May 4	14	bode ash (charf)	Mar 3	10	30
Southwest Research Institute — NDE: Better tests for materials' quality	Feb 1	0 34	Sumitomo Pharmaceuticals — Orthopedic material goes to market	Jan 20	27	Thompson-Hayward — Bactericide for process water	Feb	3	19
Squibb — Agreement with Boehringer to			Sun Microsystems — Molecular computer			3M — Computers in the CPI — report		6	20
comarket their prized products N Heart drug development with Marion	Jan 2	0 27	graphics Sun Refining and Marketing — Conrail gets	May 25		Rubber report (charts & tables) Thermoset specialty elastomers pro-	-		
Laboratories	Man 1	6 94	low grades on handling hazmat (map) . Suntory — PET makers rejoice	Feb 17 Mar 9		ducers in the U.S. Tintas Ypirangs — Acquired by AkzoN	Apr 2 Jan 2	0	20 67
Lipoeomal drugs come of clinical age (table)	Feb 1	7 24	Supercritical Processing — A new entry			Tokyo Research International — Houston			
Staley Continental — Tate & Lyle makes	Apr 2		in supercritical extraction N Swiss Federal Polytechnic — A new direc-	Feb 24	16	woos Far East companies. Toray Industries — Polyester filament	Jan 2	0	24
an offer. Offer rejected. N	Apr 2	7 5	tion for solar energy	June 22	10	plant planned	May	4	14
SEC befriends a takeover suit. Tate & Lyle's tender offer accepted., N	May 1 May 2	1 8 5	Synbiotics — Anti-idiotypes — a second generation of monoclonals (table)	Feb 24	23	Sales and earnings: fiscal year ended Mar, 31	June	1	25
Staley, A.E. — Genencor see under name			Synergen A new route to vitamin B, NP	Jan 6-13	58	Topoh — Varian Associates' specialty metal division to be acquired N	June 1	6	31
Stamicarbon — Training center in Bangla- desh will be established. N	June	1 25	Syntex — Drug ticlopidine licensed for the U.S. market	Feb 3	3 40	TosoHaas — Bioprocessing instruments:			
Standard Chlorine - Conrail gets low	Eab 1	7 6	Pact with APS for Microsponge tech-	Mar 9	16	PitCon. Total Chemie — Chevron acquires re-	Mar	2	6
grades on handling hazmat (map)	Feb 1	, 0	nology (table) Synthetic Protective Coatings — Acquired			maining 35% interest in Petrosyn-			-
icals. The Rise of an Industry by Peter H. Spitz (excerpt from Chapter 2) Standard			by Whittaker Corp. W Syremont — A restoration gold for Syre-	May 11	14	EP rubber joint venture with Exxon N	Apr 1 June 2		5 36
Oil Company (N.J.) — hydrogenation,			mont: 1988 Environment Award from	44 05		Total Inert Maintenance and Equipment	-	_	
oletins and aromatics Statoil — Nordic chemical makers adapt to	Jan 2	0 75	CEFIC	May 25	5 11	 Shell goes for the catalyst gold via joint ventures (table & map) 	Mar 3	0	9
an international climate — report (table).	Apr 1	3 18	CP1 — report	Apr 6	5 20	Toth Aluminum — Silicon tetrachloride	Jan 6-		58
Statoii is optimistic despite growing pains	Apr 1	3 22	Systems Reliability International — Soft- ware for risk analysis	Mar 9	9 17	Toyo Engineering Corp. — Ethylene plants onstream in China N			
PP project at Antwerp postponed N	Mar 1					onstream in China N Russian EG plant to be built N	May 2	6	27 55
PP tabs: A European puzzle (chart & table)	Mar 2	3 7				Toyo Soda — Sherex Polymers buys AZS			
Stauffer Chemical — Chlor-alkali price- fixing suit six producers settle (chart)	Feb 1	7 8				Corp	Jan 2	20	23
Pesticides report: U.S. pesticide sales			1			Toyota Motor Manufacturing — PPG will			
reflect consolidation (table) Rising caustic prices are good news for	May ·	4 28				supply coatings to Toyota in Kentucky . N Trans-Paname Pipeline — Payment of	June	1	5
soda ash (chart)	Max 3	0 30	TAFA — The plasma-processing torch is	Mar 16	6 92	electricity bill to state-owned utility	Ans 5	00	58
Pro Stavropol Polymer — Asetco Ltd. U.KU.S.S.R. engineering venture N	Apr 2	7 29	TMC Inc. — "Suicide genes": Making			Transducer Research Portable spec-	Apr 2	.0	30
Stellar Computer — Computers in the CPI		6 20	bugs that self-destruct. Suicide-gene technology in vaccine	May 1	1 39	trometer that identifies toxic gases in the workplace. N	Apr 2	20	37
— report Molecular computer graphics	May 2		development	May 1	1 39	Transgêne — Trials sought for new rables			
Stepen — Sales and earnings: fourth-quar- ter '87 N	Feb 1	0 5	Takeda Chemical Industries — Freeze drying stirs new interest	Feb 17	7 43	vaccine to immunize wildlife N TransTech Consultants — Computers in	May 1	18	47
Soaps and detergents report	Jan 2		Pest-killing fertilizer for use on paddy			the CPI — report.	Apr	6	20
Sterling Chemical Acrylonitrile plant at Texas City, Tex. will boost capacity N	Apr 2	7 35	Pesticides report: Non-U.S. companies'	Mar 30		Data base on waterborne resins, ChemPlan WSR	Feb 2	24	35
Sterling comes out a winner	Mar 3	0 20	worldwide pesticide sales (table) Research center for peptides and	May 4	4 26	 Correction Tredi — The burning issues of waste in 	Mar	9	14
Styrene prices N Sterling Drug — Aspirin can cut the risk	Feb 2		proteins research N	Jan 2		Europe	June 1	5	19
of a first heart attack	Feb 1	3 40 6 5	proteins research N Sales and earnings: fiscal '87 N Tamitnadu Petroproducts — Indian LAB	June 8	8 17	Triangle Industries — Avery puts Uniroyal Chemical up for sale	Feb	3	5
Exits South Africa . N Hoffman-La Roche bids \$4 billion . N	Jan 6-1		plant W	Apr 20	0 16	Triangle Refineries — PE makers keep a			-
Roche's Sterling bid: A sign of the times?	Jan 2	0 10	Tamms Industries — Acquired by Laporte N Feb 17-21,	Mar 2	2 14	wary eye on rising ethylene prices (charts)	Mar 1	16	6
Hoffman-La Roche ups its Sterling			Tate & Lyle - Tender offer for Staley	Apr 20	0 9	Trinity Consultants - Gas-release model-			16
bid —twice . N Kodak finds a good fit with Sterling	Jan 2	7 5	Continental Offer rejected. N	Apr 2	7 5	Tucker, Anthony and R.L.Day - Ludovici	Feb 2		10
Drug	FRED	3 9	SEC befriends a takeover suit Staley Continental accepts tender of-	May 1	1 8	comments on jury award of \$69 million to former executives	June 2	22	5
Pact with APS for Microsponge tech- nology (table)	Mar	9 16	for N	May 2	5 5	Turkish Fertilizer Industry Co Turkey			
Sterling Group — Kopper's chemicals may have a buyer	June 2	9 5	Technical Insights — Slower R&D spending boosts for the top companies N	June 15	5 17	rolls out a magic carpet of chemicals Tyler — Atlas Powder see under name	May 1	11	21
Sterling Organics Pharmaceutical — Linde	Danie &		Technicon Industrial Systems — On-line			.,			
membrane used in Rensselaer, N.Y. plant	June	8 29	NIR analysis saves time and money Technip — Contract for ethylene deriva-	June		11			
Sterling-Winthrop - New class of anti-			tives plant in China	Feb 1	7 59	0			
Stone Container — Chlor-alkali shifts to a	June 1	5 17	recoveryN	May 1	1 20				
seller's market (chart) Stork Brabant — Fiber technologies near	Feb 2	4 18	Technology Management Group — Ratalia comments on new vaccines.	June 29	9 67	UCB Group — Acquisitions strengthen UCB's position in Spain N	Mar	9	38
market: Thermobonding nonthermoplastic			Teijin — Japanese PET makers rejoice		9 7	Board moves to protect itself against			50
fibers into nonwoven fabrics, transfer printing of natural fibers	Apr 2	0 37	Pharmaceutical formulation plant plan- ned N	May	4 14	raiders N OPP film capacity to be increased in	May 1	0	58
Stratco — Which catalyst for alkylation?	right is		Sales and earnings: Fiscal '87 N	June 1	8 17	Britain N	Mar 1	6	72
Hydrogen fluoride use in petroleum re- fining may be limited in L.A.	Feb 2	4 11	Tekribank — Italy: All roads lead to chem- icals — report.	May 2	5 25	Zeolites venture with Solvay and Ausidet	Jan 6-1	13	49
Strategic Analysis — Adhesives and seal-	Mar 1		Tendler Beretz Associates — Buyer for Grace's Florida fertilizer plants N	June 1		UMP Chemics — Grace's French sub- sidiary acquires UMP. W	Jan 6-	13	21
ants report. Deckman comments on non-U.S. invest-	mar 1		Tenneco Oil - Methanol plant at Pasadena,			UOP — Carbide, Allied join in catalysts	Apr 1	3	11
ment in U.S. companies Deckman comments on UOP joint ven-	Mar 1	6 13	Tex. to be recommissioned N Oil and gas businesses are on the	Apr 2	0 51	Catalysts '88 report W	June 2 Apr 2		20 16
ture	Apr 1		block N	June	1 5	UOP joint venture: Carbide, Allied join			
Electronic chemicals sales. Key players vie for a base in U.S. car-	Jan 2	0 21	Supreme Court won't order a N.J. tax refund N	Apr I	6 66	in catalysts Ube Industries — ATC see under name	Apr 1	3	11
bon fibers (charts)	Apr 2		refund			Uhde — Contracts for plants in India and	Mar	9	38
Struktol — Concentrated defoamers. NP Sturge, J&E — Edible oil from bugs, not	Mar 3	0 33	prices are salts makers' headache (chart)	Jan 6-1	3 24	Belgium. N Umwelttechnik, W&E,AG — The burning			
the evening primrose: Oil of Javanicus. N	Mar 1	6 94	Terra Vac, Inc. — Solely 'an impartial	Apr 2	7 3	issue of waste in Europe Union Camp — U.S. naval stores get	June 1	15	19
Sufatos del Orinoco — Hydrogen peroxide plant for Venezuela	June 2	2 36	evaluator — Letter TEST, Inc. — NDE Better tests for mate-			a boost (charts)	Feb 1	7	34
Sullivan Mining — Sullivan process: lower-			rials' quality. Tettamanti, Tito (investor) — Grace finds	Feb 1	0 34	Union Carbide — Acrylic acid capacity boost at Taft, La	June	1	21
cost route to silicon nitride Sumitomo Cement — Orthopedic material	June		a buyer for its Florida fertilizer plants. N	June 1	5 21	Alliance with BP to self VAM and acetic		2	
goes to market. New players vie for	Jan 2	27	Tewles Seed Report — Pesticides report Viral pesticides	May	4 38	acid	Mar	2	43
a base in U.S. carbon fibers (charts)	Apr 2	0 6	Texaco — Ethylene restart: Not enough			ing announced	May	4	5
Light-controllable acrylic films N Pesticides report Non-U.S. companies	Mar 3	30 22	ethylene around to go around. Propylene rides high on a PP boom		4 8	Bhopal, India, case Indian court will hear Carbide's			
worldwide pesticide sales (table)	May	4 26	(tables) West German subsidiary. Deutsche	Apr 1	3 36	appeal	Jan 2	27	5
Research center completed N	June 2	16	Texaco, sold to RWE (table)	June 1	5 10	interim relief . N	Apr 1	3	5

Another vote for sabotage at Bhopai:				Supercomputers begin to win the CPI				Westinghouse Electric - Thermal tech-			
ADL Study	May 18	4		over	Mar	30	35	niques: EPA and industry push for new			
UC will fight interim compensation. N	June	15	5					Superfund solutions Solvent-free coatings: NEPCON West	Feb		28
n-Butanol capacity addition planned for Texas City, Tex. plant N	Apr	13	25					Westinghouse Environmental Technology	Mar	2	12
Buys back hydroxyethyl cellulose busi-				V				- The plasma-processing torch is			
ness from BP Chemicals N	Feb		5	V				rekindled: foundry plasma torches	Mar	16	92
Capacity use: Up and coming (ehart) Catalysts '88 report	June :		20					Westlake Polymers — LDPE capacity expansion . N	Jan	27	43
Conrail gets low grades on handling			20	VEG-Gasinstituut — Superclaus process				Weston, Roy F Chemical weapons are	3011	21	43
hazmat (map)	Feb	17	6	for sulfur recovery	May	4	43	for burning	Mar	16	84
Deferred tax reporting: Tallying the	May		44	Valero Refining — PE makers keep a wary	***			Weyerhaeuser — Institutional investors		-	
new accounting rules — FASB rules . Dividends cut, shares added N	May :		5	eye on rising ethylene prices (charts) Valspar Paints Ltd. — MacPherson PLC	Mar	16	6	find a new voice (table) Weyerhauser Information Systems — The	Apr	20	41
Ethylene restart: Not enough ethylene				acquiring decorative paints business. N	Feb	10	14	Enterprise show links computer systems			
around to go around	May	4	8	Varian Associates — Environmental and				(diagram)	June	22	28
Institutional investors find a new voice	Apr :	20	41	petroleum instrumentation: PitCon	Mar	2	6	Wharton Econometric Forecasting Asso-			
(table). Kennedy, Robert D.: A call for commit-	right .	eu.	41	Tosoh to acquire specialty metal divi- sion N	June	15	31	ciates — Oil prices will be flat, and U.S. imports will rise	Feb	24	36
ment to 'Responsible Care' - Other				Vascular International - Research In-				Whittaker Corp. — Acquires Synthetic			30
Siews	May	4	3	dustries purchases assets and technol-				Protective Coatings	May	11	14
Linde: At Semicon West, the password was 'purity'	June	1	12	ogy for copolyurethane blood vessels. N Vedril — MMA: Who cranks out MMA in	Apr	13	34	Widger Chemical — BASF acquires phos- phate and surface treatment technol-			
Linde boosts capacity at air separation	00110			Western Europe (table)	Jan	20	65	ogy	Apr	20	16
plant in Inver Grove Heights, Minn W	Apr	6	16	Velsicol — Pesticides report: U.S. pesti-				ogy W Williams Holdings — ICI will acquire			
Linde's membranes: Top of the heap?	June	0	29	odes sales reflect consolidation (fahie). Specialty pesticides: Realizing special-	May	4	28	BJN Australian Holdings N Williams Natural Gas — Kansas natural	Apr	13	43
(chart) Linde plunges deeper into membranes. N			61	ties' potential (table)	Mar	2	9	gas flap will be settled by Supreme Court N			
Linde Div.: pressure transfer of liquid				Tennessee well water contamination		-	-		June	1	70
hydrogen W	Apr		16	case: court limits Velsicol damages.	June	15	15	Winchester Disc — Laporte restructures			
Linde Div.: raising tabs for liquid gases . N	May	11	36	Venoco — Hydrogen peroxide plant for	huna	22	36	and buys Wirthlin Group — Biotechnology gets high	Mar	2	14
Molecular sieves: consumer sieves ignivered	May	4	44	Venezuela N Verband der Chemischen Industrie —	June	66	30	marks from opinion leaders: survey N	May	4	43
Pesticides report: U.S. pesticides sales				Europe lifts the barriers to an inte-				Wisconsin Alumni Research Foundation	may	-	43
reflect consolidation (table)	May	4	28	grated market	June	1	52	 A slick new way to recover gold from 		_	
Petrochemicals: The Rise of an Industry. Peter H. Spitz				Vestar — Liposomal drugs come of clinical age (table)	Feb	17	24	Scrap Wisconsin Milk Marketing Board — Com-	June	8	31
Union Carbide — ethylene and its				Viral Technologies AIDS vaccine clini-			2.4	bating cholesterol via enzyme research. Wister Institute — Genetically engineered	June	1	42
derivatives	Jan	20	69	cal trials approved	May	18	78	Wister Institute — Genetically engineered			
What became of Prest-O-Lite? -	Feb	24	2	Immunoinsights breathe new life into				rables vaccine injected into cows in Argentina: NIH will close a testing			
PE makers keep a wary eye on rising	reu	24	2	vaccines: AIDS vaccines in research and development (table)	June	29	67	cophole. Him will close a testing	Feb	10	10
ethylene prices (charts)	Mar	16	6	Vista Chemical — Conrail gets low grades	-		-	Immunoinsights breathe new life into			10
Polyethylene reactor being built at			-	on handling hazmat (map)	Feb		6	vaccines: AIDS vaccines in research			
Seadrift, Tex. complex N	Apr	6	5	— Letter	May		3	Trials for a new rables vaccine to-	June	29	67
Prest-O-Lite: What became of Prest-O- Lite? — Letter.	Feb	24	2	LAB capacity expansion	June	1	43	immunize wildlife sought N	May	18	47
Silicone venture with GE N	May	25	5	alcohols plant N	Jan	20	59	Witco — Deferred tax reporting: Tallying			
Supreme Court won't order a N.J. tax			00	PVC joint venture with Compression	-			the new accounting rules - FASB			
UOP joint venture: Carbide, Allied join	Apr	6	66	Polymers, Vycom . N Sales and earnings: fourth-quarter '87 . N	Feb	10 27	5	Dividend rate boosted N	May June	15	5
in catalysts	Apr	13	11	"Shareholder Rights Plans" to make	Jan	4.		Rubber report (charts & tables)	Apr	20	18
UC plans to realign	June	29	12	unsolicited takeovers more difficult		_		U.S. castable elastomers producers	Apr		28
Unipol process: Korean licensee Honam				to be adopted		8	16	Wood Mackenzie & Co. Ltd. — Pesticides:			
Oil Refinery's PP plant has smooth	Apr	13	25	Soaps and detergents report	Jan Mar		28	Environmental concerns force global changes in the market — report (charts			
Startup N Unipol technology for two Soviet PE	7.905			Vista Chemical: Adding value in the	-	20	9	& tables)	May	4	22
plants N	Apr	27	29	PVC market	Apr	6	62	A turnaround for ag chemicals	Feb	17	13
Union Carbide Canada — Sales and earn-	Enh	10	14	Vistakon — Contact lenses to throw away . Vittel — Mineral waters from France	Mar	23	12	World Tech Press — Cambridge Confer- ence on Commercial Applications of			
ings 1987 N First-guarter '88 N	Feb		25	bottled in PVC containers	Mar	9	7	Superconductivity: Superactivity in			
Union des Industries Chimiques — Europe	Delite			Vulcan Materials - Chlor-alkali price-				superconductivity	Feb	3	8
lifts the barriers to an integrated				fixing suit	Feb	17	8	Worsley Alumina — European prices for	Ann	27	17
Union Gas — Superfund cleanup costs	June	1	52	Vycom — Vista Chemicals forms joint venture with Compression Polymers . N	Feb	10	5	caustic soda are soaring. Wright Killen & Co Propylene rides	Apr	21	10
case against the state of Pennysivania:				venture with Compression Polymers . 14	1.00	10	2	high on a PP boom: Ory comments	Apr	13	36
Supreme Court looks at Superfund								Wyeth Laboratories — Immunoinsights			
suits N Union Oil — Rubber report (charts &		30	40	W				breathe new life into vaccines (table)	June	29	67
Union Oil — Hubber report (charts & tables)	Apr	20	18	••							
Thermoset commodity synthetic rubber	Apri	20	10								
producers in the U.S	Apr	20	23	WEFA Group - The drought's impact on							
Union Polymer — Polypropylene —				fertilizer makers: NegligibleN	June		76 13				
Japan's strategy: Close ranks, expand (table)	Jan 6	-13	50	A turnaround for ag chemicals	Feb	1.0	13	XYZ			
Union Texas Petroleum - Ethylene: Im-				market loses out to the U.S report				ATZ			
porting ethylene to where?	Feb	3	12	(chart & tables)	June	15	22				
Uniroyal Chemical — Avery puts Uniroyal	Feb	3	5	Wacker-Chemie — Collaborative program with BioTechnica to develop enzymes				Xerolerm Labs — Freeze drying feed			
up for sale	Apr		18	and fine chemicals N	June	1	61	additives	Feb	17	44
Thermoset commodity synthetic				Propane and butane propellents substi-				Xytec Plastics - Plastics move into the			
rubber producers in the U.S	Apr	20	23	tuted for CFC in industrial aerosol				warehouse	May	4	46
U.S. thermoplastic siastomers pro-	Apr	20	24	products N	May	22	14	Yankee Group Research — The Enterprise show links computer systems (diagram).	June	:2	28
U.S. castable elastomers producers Uniroyal-Goodrich Tire — BFGoodrich to	Apr		28	Wacker details changes (table)	Julie	66	0	Yates Manufacturing — Machinable	00.10	-	
Unirgyal-Goodrich Tire - BFGoodrich to	- 4			changes (table)	June	22	8	NP NP	June	1	59
sell 50% stake to Clayton & Dubiller	Jan 6	-13	13	Wacker Silicone — Rubber report (charts	A	20	10	Yorkshire Chemicals — Cedar Chemical			
Uniroyal Plastics — Adhesives and seal-	Mar	16	28	& tables). Thermoset specialty elastomers pro-	Apr	20	18	will manufacture 4,4'-dihydroxydiphenyl- sulphone W	Jan	27	18
ants report. Grace acquires worldwide graphic arts		10	20	ducers in the U.S.	Apr	20	20	Yukong — A warning on ethylene capacity			-
division	May	11	14	ducers in the U.S. Weizmann Institute of Science — Sandia			-	(tables)	Apr	6	8
U.S. Borax — Household products busi-				process that converts solar energy				Zambeletti — Fomblin-based products	Mar	23	33
ness including mule team to be sold to	Mar	2	5	into chemical energy successfully fleto- tested	Jan 6	-13	22	(table) Zeolyst Enterprises — Shell goes for the	executive and a second		-
Borax sells its mule team W	Mar Mar	23	15	Wesley-Jensen — Disposable contact	0410	-		catalyst gold via joint ventures (table &			
USI - PE makers keep a wary eye on	1			lenses: company "monitoring consumer				map)	Mar	30	9
rising ethylene prices (charts)	Mar	16	6	interest"	Mar	23	14	Zimpro Environmental Control Systems —			
Unitika — Japanese PET makers rejoice.	Mar May	25	27	Westcoast Transmission — Teams up with C-I-L in paper chemicals N	Feb	24	27	Biological processes: EPA and industry push for new Superfund solutions	Feb	24	28
Nyton-6 film plant joint venture N Unocal — Brea, Calif. ammonia and urea		23	21	Westdeutsche Landesbank — Bonkowski	. 60			Zurn Industries — Treating wastewater			
plant will be phased out W	June	1	21	comments on PET in Germany	Mar	9	8	via 'stage cooling' N	June	8	28
Upjohn — Institutional investors find a	1			Western Branch Holding — Grace's fer-	8400	11	10	Zweckverband Sondermuliplatze Mittel-			
new voice (table)	ADI	20	41	tilizer plants (2) bought	May	8.8	14	franken — The burning issue of waste in Europe	June	15	19
Liposomal drugs come of clinical age (table)	Feb	17	24	contaminants monitoring system N	Mar	23	16	Zymark — Lab robotic systems: PitCon	Mar	2	6



